

Pocket Reference

O'REILLY\*

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# **HTML Pocket Reference**

## Introduction

This pocket reference provides a concise, yet thorough, listing of HTML tags and attributes specified by the W3C HTML 4.01 Specification, Netscape Navigator, and Internet Explorer.

### **Using This Book**

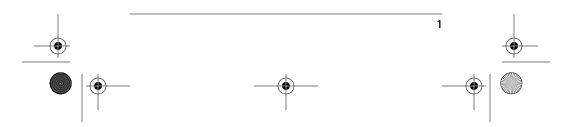
The majority of this reference is an alphabetical listing of tags and their attributes with explanations and browser support information.

The "Tag Groups" section lists tags that are related in functionality, and "Tag Structures" provides examples of how standard web page elements are constructed.

At the end of the book are useful charts, including character entities and decimal to hexadecimal conversions.

### **For Further Reading**

More in-depth explanations of HTML and web design can be found in O'Reilly & Associates' *Web Design in a Nutshell* by Jennifer Niederst and *HTML and XHTML: The Definitive Guide* by Chuck Musciano and Bill Kennedy. Also useful is *Webmaster in a Nutshell* by Stephen Spainhour and Robert Eckstein.



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The browser support information in this book was provided by the HTML Compendium created by Ron Woodall. I encourage you to check out the Compendium's site (*http:// www.htmlcompendium.org*) for extremely in-depth explanations of HTML tags, attributes, and values and the browsers that support them.

### **Conventions Used in This Book**

The correct syntax appears to the right of each tag and indicates whether the tag is a container (with an end tag) or stands alone. Browser support information is indicated below each tag. Browsers that do not support the tag are shown in gray. Attribute support is indicated in italics in the attribute description.

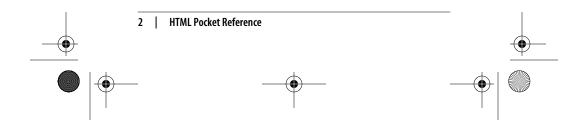
## **Tag Groups**

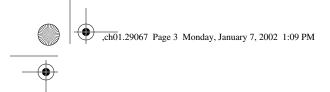
The following lists group HTML tags by similar function. See the "Alphabetical Tag List" section for complete descriptions of each tag.

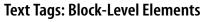
### **Structural Tags**

The following tags are used primarily to give the document structure.

<!DOCTYPE> <base> <body> <head> <html> <link> <meta> <title>







Block-level elements are always formatted with a line-break before and after, with most adding some amount of additional space above and below as well.

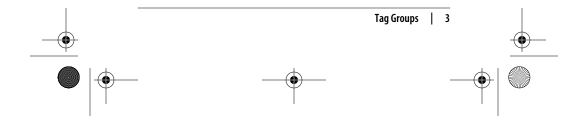
<address> <blockquote> <dd> <div> <dl> <dl> <dt> <hi> through <h6>

### Text Tags: Inline Styles

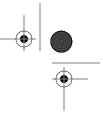
The following tags affect the appearance of text. "Inline" means they can be applied to a string of characters within a block element without introducing line breaks.

<b>
<b>
<big>
<cite>
<code>
<em>
<font> (deprecated)
<i>
<kbd>

<s> (deprecated)
<samp>
<small>
<span>
<strike> (deprecated)



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<strong> <sub> <sup> <tt> <u> (deprecated) <var>

 $(\mathbf{\Phi})$ 

### **Text Tags: Logical Styles**

Logical or content-based styles describe the enclosed text's meaning, context, or usage and leave rendering of the tag to the browser.

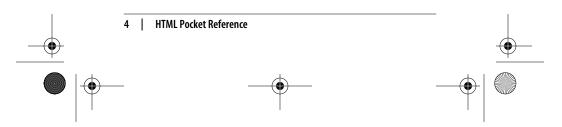
<abbr> <acronym> <cite> <code> <del> <div> <em> <ins> <kbd> <q> <samp> <span> <strong> <var>

# **—**

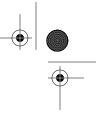
### **Text Tags: Physical Styles**

Physical styles provide specific display instructions.

<b> <big> <blink> (Navigator only) <font> (deprecated) <i> <s> (deprecated) <small>



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<strike> (deprecated) <sub> <sup> <tt> <u> (deprecated)

### **List Tags**

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<dir> (deprecated) <dl> <dd> <dt> <menu> (deprecated)

### **Spacing and Positioning Tags**

The following tags give authors control over the line breaks, alignment, and spacing within an HTML document.

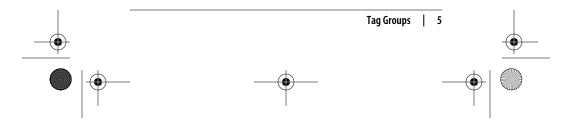
```
<br><br><center> (deprecated)<nobr> (nonstandard)<tpre><tpsacer> (, >)<wbr> (nonstandard)
```

### **Linking Tags**

The following tags are used to create links from one document to another.

```
<a>
```

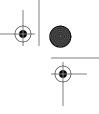
k> (most commonly used for style sheets) (map> (used in client-side imagemaps) (area> (used in client-side imagemaps)





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### **Table Tags**

The following tags are used in the creation and formatting of tables.

<caption>

The following table structure tags are supported by HTML 4.01, Internet Explorer 4.0+, and Netscape 6.

<col> <colgroup> <thead> <tfoot>

### Frame Tags

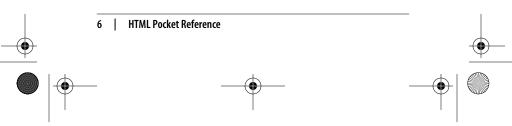
Frames are created using the following tags.

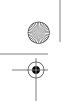
```
<frame>
<frameset>
<noframes>
```

### Form Tags

The following tags are used to define forms and their elements.

- <br/><button>
  <form>
  <input>
  (type=button|checkbox|file|hidden|image|
  password|radio|reset|submit|text)
- <option> <select> <textarea>





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The following form tags are supported by HTML 4.01, Internet Explorer 4.0+, and Netscape 6.

<fieldset> <label> <legend>

### **Multimedia Tags**

The following tags are used to add multimedia elements to web pages.

<applet> (deprecated) <bgsound> (Internet Explorer only) <embed> (dropped from HTML 4) <object> <param>

### Script Tags

The following tags are used to add scripts to HTML documents.

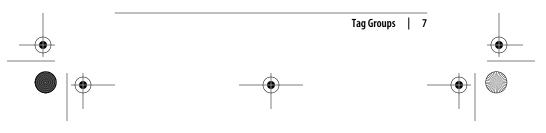


<script> <noscript>

### **Deprecated Tags**

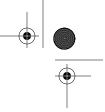
The following tags have been deprecated in the HTML 4.01 specification, usually in favor of style sheet controls.

<applet> <basefont> <center> <dir> <font> <isindex> <menu> <s> <strike> <u>





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### **Navigator-only Tags**

The following tags are supported only by Navigator.

<blink> <ilayer> <keygen> <layer> <multicol> <server> <spacer>

### Internet Explorer-only Tags

The following tags are supported only by Internet Explorer.

<bgsound> <comment> <marquee> <ruby> <rt>



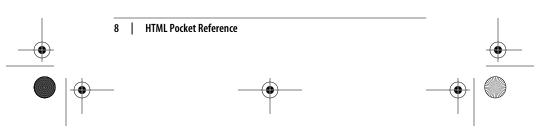
## **Tag Structures**

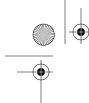
The examples below show the tag structure for common web page elements. When an attribute appears in the tag, it indicates that the attribute is required.

### **HTML Document**

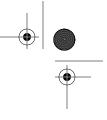
The standard skeletal structure of an HTML document is as follows:

<HTML> <HEAD> <TITLE>document title</TITLE> </HEAD> <BODY> contents of document </BODY> </HTML>





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### Lists

The following are examples of simple lists.

### **Definition list**

<DL> <DT> <DD> <DT> <DD> </DL>

### Ordered (numbered) list

<0L> <LI> <LI> <LI> </DL>

#### Unordered (bulleted) list

<UL> <LI> <LI> <LI> </UL>

#### **Nested list**

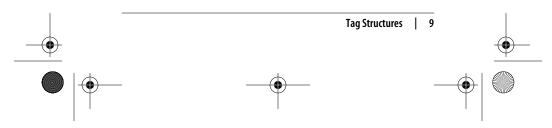
```
<0L>
<LI>
<LI>
<UL>
<LI>
<LI>
<LI>
</UL>
</0L>
```

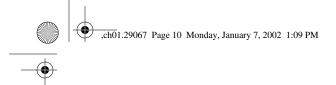
### Linking Within a Document

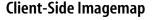
The first <a> tag specifies a named fragment; the second <a> tag links back to that named fragment.

<A NAME="fragmentname">Text</A>

...
<A HREF="#fragmentname">Link to Text</A>







In the example below, the image *graphic.gif* is an imagemap that contains two clickable areas and uses the client-side imagemap named *map1*.

<IMG SRC="graphic.gif" USEMAP="map1">

### **Basic Table**

The following HTML sample shows the basic structure for a simple four-cell table. The number of columns is determined by the number of cells () that appear within each row (). The table in the example below has two rows and two columns.

```
<TABLE>

<TR>

<TD></TD>

<TD></TD>

</TR>

<TD></TC>

<TC>

<TD></TD>

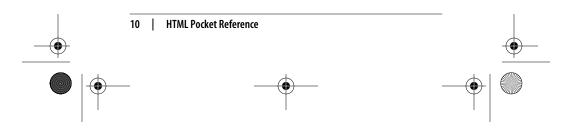
</TC>

</TC>

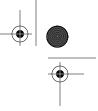
</TC>
```

### **Framed Document**

The following code creates a framed document with two frames, side by side. The number of columns is established by the number of measurements listed in the cols attribute. To create a framed document with horizontal frames, use the ROWS attribute. For instance, <FRAMESET ROWS="\*,\*,\*"> creates



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a framed document with three horizontal frames of equal height.

#### **Nested frames**

You can place one frameset within another as shown in the following example.

```
<FRAMESET COLS="*,*">
  <FRAME SRC="doc1.html">
  <FRAME SRC="doc1.html">
  <FRAMESET ROWS="50,150">
   <FRAMESET ROWS="50,150">
   <FRAME SRC="doc2.html">
  <FRAME SRC="doc3.html">
  </FRAMESET>
```

### **Adding Style Sheet Information**

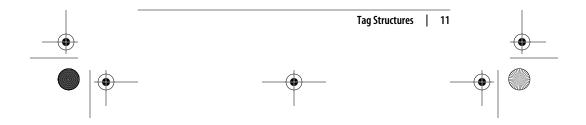
There are three methods for adding style sheet information to a document.

External style sheets:

```
<HEAD>
<LINK rel="stylesheet" href="url of css file"
type="text/css">
</HEAD>
```

Embedded style sheets:

```
<HEAD>
<STYLE type="text/css">
<!--
selector {property: value}
```



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```
-->
</STYLE>
</HEAD>
```

Inline styles (using the style attribute in an element tag):

<ELEMENT style="property: value">...</ELEMENT>

```
Example:
```

<H1 style="color: blue; font-size: 18pt;">...</H1>

## **Alphabetical Tag List**

A number of attributes in the HTML 4.01 specification are shared by nearly all elements. To save space, they have been abbreviated in this book as they are in the specification as follows.

%coreattrs indicates the collection of core HTML attributes according to the HTML 4.01 specification:

```
id
```

Assigns a unique identifying name to the element

```
class
```

Assigns a classification name to the element

```
style
```

Associated style information

```
title
```

Advisory title/amplification

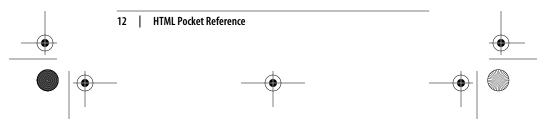
i18n stands for "internationalization" (i + 18 characters + n) and includes attributes related to making documents and elements accessible in all languages:

#### lang

Specifies the language for the element by its twocharacter language code

```
dir
```

Specifies the direction of the element; values are ltr (left to right) or rtl (right to left)



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%events indicates the core events (as defined in the HTML 4.01 Document Type Definition) used by scripting languages which are applicable to the element:

onclick, ondblclick, onmousedown, onmouseup, onmouseover, onmousemove, onmouseout, onkeypress, onkeydown, onkeyup

				</th <th>-&gt;</th>	->
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Identifies a comment. Text within comment tags will not be displayed by the browser.

		/th <th>"DTD NAME"&gt;</th>	"DTD NAME">	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Specifies the document type definition that applies to the document.

#### Examples

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"> <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional/ /EN">

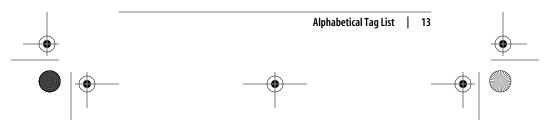
<a></a>				<a></a>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines an *anchor* within the document. An anchor is used to link to another document or web resource. It can also serve to label a fragment within a document (also called a *named anchor*), which serves as a destination anchor for linking to a specific point in an HTML document.

#### Attributes

The attributes labeled "HTML 4.01" are new to the HTML 4.01 specification and are generally supported only by Internet Explorer 5.5 and higher and Netscape 6.

%coreattrs, %i18n, %events, onfocus, onblur



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#### accesskey=*character*

*HTML 4.01.* Assigns an access key (shortcut key command) to the link. Access keys are also used for form fields. The value is a single character. Users may access the element by hitting Alt-*key* (PC) or Ctrl-*key* (Mac).

#### charset=charset

HTML 4.01. Specifies the character encoding of the target document.

#### coords=x,y coordinates

*HTML 4.01.* Specifies the x,y coordinates for a clickable area in an imagemap. HTML 4.0 proposes that client-side imagemaps be replaced by an <object> tag containing the image and a set of anchor tags defining the "hot" areas (with shapes and coordinate attributes). This system has not yet been implemented by browsers.

#### href=url

Specifies the URL of the destination HTML document or web resource (such as an image, audio, PDF, or other media file).

#### hreflang=language code

*HTML 4.01*. Specifies the base language of the target document.

#### id=text

Gives the link a unique name (similar to the name attribute) so it can be referenced from a link, script, or style sheet. It is more versatile than name, but it is not as universally supported.

#### name=text

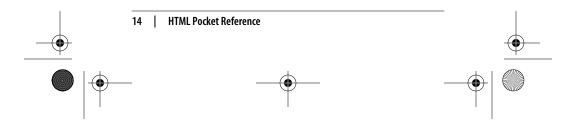
Places a fragment identifier within an HTML document.

#### rel=relationship

Establishes a relationship between the current document and the target document. Common relationships include stylesheet, next, prev, copyright, index, and glossary.

#### rev=relationship

Specifies the relationship from the target back to the source (the opposite of the rev attribute).



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#### shape=rect|circle|poly|default

*HTML 4.01.* Defines the shape of a clickable area in an imagemap. This is only used in the <a> tag as part of HTML 4.01's proposal to replace client-side imagemaps with a combination of <object> and <a> tags. This system has not yet been implemented by browsers.

#### tabindex=number

*HTML 4.01.* Specifies the position of the current element in the tabbing order for the current document. The value must be between 0 and 32,767. It is used for tabbing through the links on a page (or fields in a form).

#### target=text

Not supported by WebTV or Internet Explorer 2.0 and earlier. Specifies the name of the window or frame in which the target document should be displayed.

#### title=*text*

Specifies a title for the target document. May be displayed as a "tool tip."

#### type=MIME type

Specifies the content type (MIME type) of the defined content.

#### Link Examples

#### To a local file:

<A HREF="filename.html">...</A>

#### To an external file:

<A HREF="http://server/path/file.html">...</A>

#### To a named anchor:

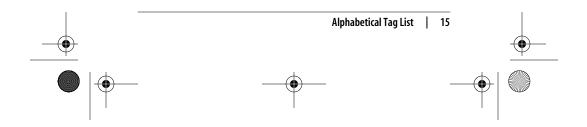
<A HREF="http://server/path/file.html#fragment">...</A>

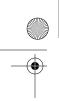
#### To a named anchor in the current file:

<A HREF="#fragment">...</A>

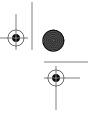
#### To send an email message:

<A HREF="mailto:username@domain">...</A>





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To a file on an FTP server:

<A HREF="ftp://server/path/filename">...</A>

<abbr></abbr>			<ab< th=""><th>br&gt;</th></ab<>	br>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Identifies the enclosed text as an abbreviation. It has no inherent effect on text display but can be used as an element selector in a style sheet.

#### Attributes

%coreattrs, %i18n, %events

title=*text* 

Provides the full expression for the abbreviation. This may be useful for nonvisual browsers, speech synthesizers, translation systems, and search engines.

#### Example

<ABBR TITLE="Massachusetts">Mass.</ABBR>

<acronym> <acronym></acronym></acronym>			·	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Indicates an acronym. It has no inherent effect on text display but can be used as an element selector in a style sheet.

#### Attributes

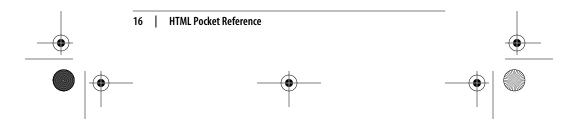
%coreattrs, %i18n, %events

#### title=*text*

Provides the full expression for the acronym. This may be useful for nonvisual browsers, speech synthesizers, translation systems, and search engines.

#### Example

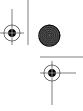
<ACRONYM TITLE="World Wide Web">WWW</ACRONYM>





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MSIE 2, 3, 4, 5, 5.5, 6



#### <address>

<address>...</address> WebTV

0pera5

Supplies the author's contact information, typically at the beginning or end of a document. Addresses are generally formatted in italic type with a line break (but no extra space) above and below.

HTML 4.01

#### Attributes

NN 2, 3, 4, 6

%coreattrs, %i18n, %events

<applet></applet>	<applet> <applet>.</applet></applet>		:>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Deprecated. This tag (first introduced in Netscape Navigator 2.0) is used to place a Java applet on the web page. <applet> and all its attributes have been deprecated in favor of the <object> element, but it is still widely used. Some applets require the use of the <applet> tag. Furthermore, Navigator 4 and earlier and Internet Explorer 4 do not support Java applets via object tags.

#### Attributes

#### %coreattrs

align=left|right|top|middle|bottom

Aligns the applet and allows text to wrap around it (same as image alignment).

#### alt=*text*

Provides alternate text if the applet cannot be displayed.

#### archive=urls

Provides a space-separated list of URLs with classes to be preloaded.

#### code=class

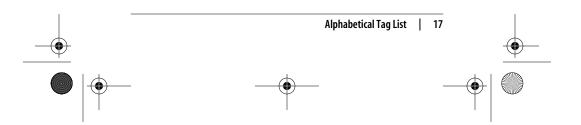
Required. Specifies the class name of the code to be executed.

#### codebase=url

URL from which the applet code is retrieved.

#### height=number

Required. Height of the initial applet display area in pixels.





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### hspace=number

Holds *number* pixels space clear to the left and right of the applet window.

#### name=text

Names the applet for reference from elsewhere on the page.

#### object=text

Names a resource containing a serialized representation of an applet's state. It is interpreted relative to the applet's codebase. The serialized data contains the applet's class name but not the implementation. The class name is used to retrieve the implementation from a class file or archive. Either code or object must be present. If both code and object are given, it is an error if they provide different class names.

#### vspace=number

Holds *number* pixels space clear above and below the applet window.

#### width=*number*

Required. Width of the initial applet display area in pixels.

#### <area> NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6

# <area> (no end tag)

WebTV



The area tag is used within the <map> tag of a *client-side imagemap* to define a specific "hot" (clickable) area.

HTML 4.01

#### Attributes

%coreattrs, %i18n, %events, onfocus, onblur

#### accesskey=single character

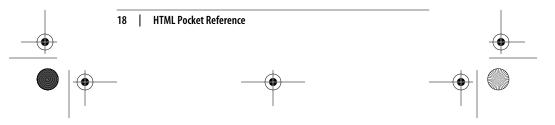
Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

#### alt=text

*Required.* Specifies a short description of the image that is displayed when the image file is not available.

#### coords=values

Specifies a list of comma-separated pixel coordinates that define a "hot" area of an imagemap. The specific syntax for the coordinates varies by shape.





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#### href=url

Specifies the URL of the document or file that is accessed by clicking on the defined area.

#### nohref

Defines a "mouse-sensitive" area in an imagemap for which there is no action when the user clicks in the area.

#### shape=rect|circle|poly|default

Defines the shape of the clickable area.

#### tabindex=number

Assigns the position of the current element in the tabbing order for the current document.

#### <b>

	<b></b>
--	---------

NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Enclosed text is rendered in bold.

#### Attributes

%coreattrs, %i18n, %events

# <base> <base> (no end tag) NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Specifies the base pathname for all relative URLs in the document. Place this element within the <head> of the document.

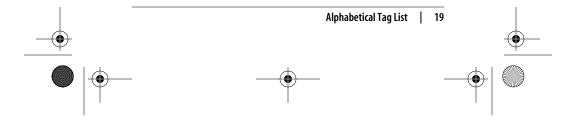
#### Attributes

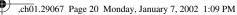
#### href=url

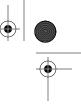
*Required.* Specifies the URL to be used.

#### target=name

Not supported in MSIE 2.0. Defines the default target window for all links in the document. Often used to target frames.







# <basefont> <basefont> (no end tag) NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

*Deprecated.* Specifies certain font attributes for text following the tag. It can be used within the <head> tags to apply to the entire document, or within the body of the document to apply to the subsequent text.

#### Attributes

size=value

*Required.* Sets the basefont size using the HTML size values from 1 to 7 (or relative values based on the default value of 3). Subsequent relative size settings are based on this value.

#### Internet Explorer 3.0+ only

color="#rrggbb" or name

Sets the color of the following text using hexadecimal RGB values.

face=font

Sets the font for the following text.

<bdo></bdo>			<	:bdo> <th><ot< th=""></ot<></th>	<ot< th=""></ot<>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

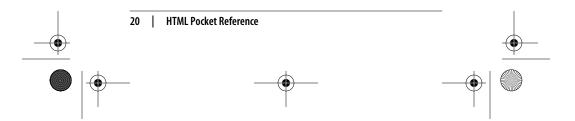
Overrides the current directionality of the text ("bidirectional override").

#### Attributes

%coreattrs, %i18n

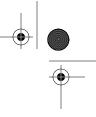
<bgsound/>			<bgsour< th=""><th>nd&gt; (no end tag)</th></bgsour<>	nd> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

*Internet Explorer only.* Adds an audio file to the document to be used as a background sound when the page loads.





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### Attributes

loop=number or infinite
Specifies the number of times the audio file plays.

src=URL

Required. Specifies the location of the audio file.

<big></big>			<big></big>		big>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Sets the type one font size increment larger than the surrounding text.

#### Attributes

%coreattrs, %i18n, %events

   			<blink></blink>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5
Causa dh		a flash an		in Natara

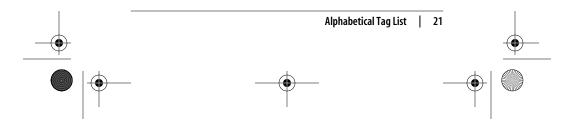
Causes the contained text to flash on and off in Netscape browsers.

<blockquote></blockquote>		<blockquote></blockquote>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Enclosed text is a "blockquote" (lengthy quotation), which is generally displayed with an indent on the left and right margins and added space above and below the paragraph.

Note that:

- Some older browsers display blockquote material in italic, making it difficult to read.
- Browsers are inconsistent in the way they display images within blockquotes. Some align the graphic with the indented blockquote margin; others align the image with the normal margin of paragraph text. It is a good idea to test on a variety of browsers.





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%coreattrs, %i18n, %events

cite=URL

Provides information about the source from which the quotation was borrowed. Not often used.

<body></body>	<body>.</body>		(start and	end tags optiona	l)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	_

Defines the beginning and the end of the document body. The body contains the content of the document (the part that is displayed in the browser window). Attributes to the <body> tag affect the entire document.

#### Attributes

%coreattrs, %i18n, %events

alink="#rrggbb" or color name

*Deprecated.* Sets the color of active links (i.e., the color while the mouse button is held down during a "click"). Color is specified in hexadecimal RGB values or by standard web color name.

#### background=url

*Deprecated.* Provides the URL to a graphic file to be used as a tiling graphic in the background of the document.

#### bgcolor="#rrggbb" or color name

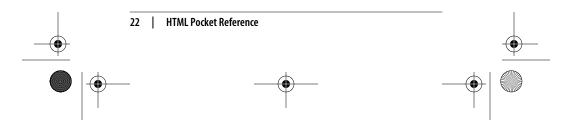
*Deprecated.* Sets the color of the background for the document. Color is specified in hexadecimal RGB values or by standard web color name.

#### link="#rrggbb" or color name

*Deprecated.* Sets the default color for all the links in the document. Color is specified in hexadecimal RGB values or by standard web color name.

#### text="#rrggbb" or color name

*Deprecated.* Sets the default color for all the non-hyperlink and unstyled text in the document. Color is specified in hexadecimal RGB values or by standard web color name.





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#### vlink="#rrggbb" or color name

*Deprecated.* Sets the color of the visited links (links that have already been followed) for the document. Color is specified in hexadecimal RGB values or by standard web color name.

#### Netscape Navigator 4.0+ only

#### marginwidth=number

Specifies the distance (in number of pixels) between the left and right browser edges and the text and graphics in the window.

#### marginheight=number

Specifies the distance (in number of pixels) between the top and bottom edges of the browser and the text or graphics in the window.

#### **Internet Explorer only**

#### bgproperties=fixed

When this attribute is set to fixed, the background image does not scroll with the document content.

#### leftmargin=number

Specifies the distance (in number of pixels) between the left browser edge and the beginning of the text and graphics in the window.

#### topmargin=number

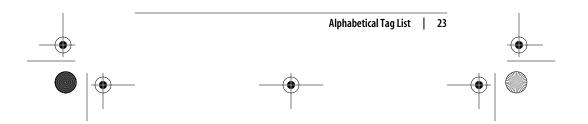
Specifies the distance (in number of pixels) between the top edge of the browser and the top edge of the text or graphics in the window.

#### rightmargin=number

Specifies the distance (in number of pixels) between the right edge of the browser and the text or graphics in the window.

#### bottommargin=number

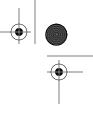
Specifies the distance (in number of pixels) between the bottom edge of the browser and the bottom edge of the text or graphics in the window.







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### <br>

<br> (no end tag)</t

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Breaks the text and begins a new line but does not add extra space.

#### Attributes

%coreattrs

clear=all|left|right|none

Breaks the text flow and resumes the next line after the specified margin is clear. This is often used to start the text below an aligned image (preventing text wrap). none is the default, causing a simple line break.

<button></button>			<button></button>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Defines a "button" that functions similarly to buttons created with the input tag but allows for richer rendering possibilities. Buttons can contain content such as text and images (but not imagemaps).



#### Attributes

%coreattrs, %i18n, %events, onfocus, onblur

accesskey=single character

Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

#### disabled

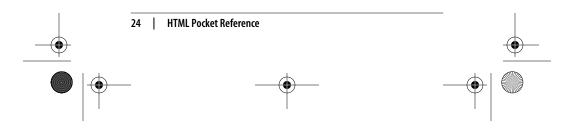
Disables the form control for user input.

#### name=text

Required. Assigns the control name for the element.

#### type=submit|reset|button

Identifies the type of button: submit button (the default type), reset button, or custom button (used with JavaScript), respectively.





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#### value=text

Assigns the value to the button control. The behavior of the button is determined by the type attribute.

#### tabindex=number

Assigns the position of the current element in the tabbing order for the current document.

<caption></caption>			<caption></caption>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Provides a brief summary of the table's contents or purpose. The caption must immediately follow the tag and precede all other tags. The width of the caption is determined by the width of the table. The caption's position as displayed in the browser can be controlled with the align attribute (or valign in MSIE).

#### Attributes

%coreattrs, %i18n, %events

align=top|bottom|left|right *Deprecated.* Positions the caption relative to the table. The default is top.

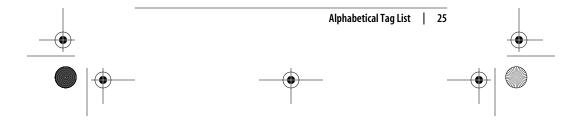
valign=top|bottom
 Internet Explorer 3.0 and higher only. Positions the caption
 above or below the table (top is the default).

<center></center>			<center></center>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

*Deprecated.* Centers the enclosed elements horizontally on the page (a shortcut for <DIV align=center>).

#### Attributes

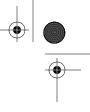
%coreattrs, %i18n, %events





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MSIE 2, 3, 4, 5, 5.5, 6



#### <cite> NN 2, 3, 4, 6

<cite>...</cite> 0pera5

WebTV

Denotes a citation-a reference to another document, especially a book, magazine, article, etc. Browsers generally display citations in italic.

HTML 4.01

#### Attributes

%coreattrs, %i18n, %events

<code></code>			<cc< th=""><th>de&gt;<th>e&gt;</th></th></cc<>	de> <th>e&gt;</th>	e>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Denotes a code sample. Code is rendered in the browser's specified monospace font (usually Courier).

#### Attributes

%coreattrs, %i18n, %events

<col/>			<00	ol> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

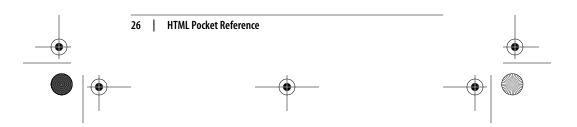
Specifies properties for a column (or group of columns) within a column group (<colgroup>). Columns can share attributes (such as text alignment) without being part of a formal structural grouping.

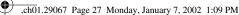
Column groups and columns were introduced by Internet Explorer 3.0 and are now proposed by the HTML 4.01 specification as a standard way to label table structure. They may also be useful in speeding table display (i.e., the columns can be displayed incrementally without waiting for the entire contents of the table).

#### Attributes

%coreattrs, %i18n, %events

align=left|right|center|justify|char Deprecated. Specifies alignment of text in the cells of a column. The default value is left.





#### char=character

Specifies a character along which the cell contents will be aligned when align is set to char. The default character is a decimal point (language-appropriate). This attribute is generally not supported by current browsers.

#### charoff=length

Specifies the offset distance to the first alignment character (char) on each line. If a line doesn't use an alignment character, it should be horizontally shifted to end at the alignment position. This attribute is generally not supported by current browsers.

#### span=number

Specifies the number of columns "spanned" by the <col> element. The default value is 1. All columns indicated in the span are formatted according to the attribute settings in <col>.

valign=top|middle|bottom|baseline

*Deprecated.* Specifies the vertical alignment of text in the cells of a column.

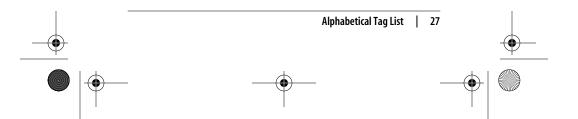
#### width=pixels, percentage, n\*

Specifies the width of each column spanned by the <col> element. Width can be measured in pixels or percentages, or defined as a relative size (\*). For example, 2\* sets the column two times wider than the other columns; 0\* sets the column width at the minimum necessary to hold the column's contents. width in the <col> tag overrides the width settings of the containing <colgroup> element.

<colgrou< th=""><th>)&gt;</th><th><colgro< th=""><th>oup&gt;<th>lgroup&gt;</th><th>(end tag optional)</th></th></colgro<></th></colgrou<>	)>	<colgro< th=""><th>oup&gt;<th>lgroup&gt;</th><th>(end tag optional)</th></th></colgro<>	oup> <th>lgroup&gt;</th> <th>(end tag optional)</th>	lgroup>	(end tag optional)
NN 2, 3, 4, 6	MSIE	2.3.4.5.5.5.6	HTML 4.01	WebTV	Opera5

Creates a *column group*, a structural division within a table that can be appointed attributes with style sheets or HTML. A table may include more than one column group. The number of columns in a group is specified either by the value of the span attribute or by a tally of columns <col> within the group. Its end tag is optional.

Column groups and columns were introduced by Internet Explorer 3.0 and are now proposed by the HTML 4.0





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specification as a standard way to label table structure. They may also be useful in speeding the table display (i.e., the columns can be displayed incrementally without waiting for the entire contents of the table).

#### Attributes

%coreattrs, %i18n, %events

align=left|right|center|justify|char

*Deprecated.* Specifies the alignment of text in the cells of a column group. The default value is left.

#### char=character

Specifies a character along which the cell contents will be aligned when align is set to char. The default character is a decimal point (language-appropriate). This attribute is generally not supported by current browsers.

#### charoff=length

Specifies the distance to the first alignment character (char) on each line. If a line doesn't use an alignment character, it should be horizontally shifted to end at the alignment position. This attribute is generally not supported by current browsers.

#### span=number

Specifies the number of columns in a column group. If span is not specified, the default is 1.

#### valign=top|middle|bottom|baseline

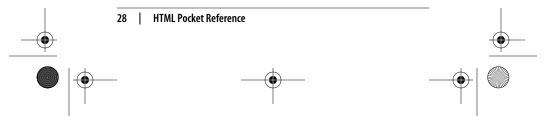
*Deprecated.* Specifies the vertical alignment of text in the cells of a column group. The default is middle.

#### width=pixels, percentage, n\*

Specifies a default width for each column in the current column group. Width can be measured in pixels, percentages, or defined as a relative size (\*). 0\* sets the column width at the minimum necessary to hold the column's contents.

<comment></comment>		<comment></comment>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Indicates a comment in Internet Explorer and WebTV. Comments are not displayed in the browser.



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	<dd></dd> (end tag optional)
MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01 WebTV Opera5

Denotes the definition portion of an item within a definition list. The definition is usually displayed with an indented left margin. The closing tag is commonly omitted but should be included when applying style sheets.

#### Attributes

<dd></dd>

%coreattrs, %i18n, %events

#### compact

*Deprecated.* Makes the list as small as possible. Few browsers support the compact attribute.

<del></del>				<del></del>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Indicates deleted text. It has no inherent style qualities on its own but may be used to hide deleted text from view or display it as strike-through text via style sheet controls. It may be useful for legal documents and any instance where edits need to be tracked. Its counterpart is *inserted* text (<ins>). Both can be used to indicate either inline or block-level elements.

#### Attributes

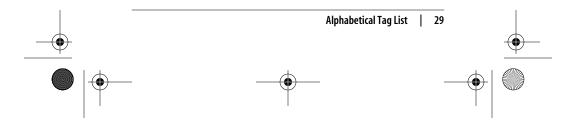
%coreattrs, %i18n, %events

#### cite=URL

Can be set to point to a source document that explains why the document was changed.

#### datetime=YYYY-MM-DDThh:mm:ssTZD

Specifies the date and time the change was made. Dates and times follow the format listed above where YYYY is the fourdigit year, MM is the two-digit month, DD is the day, hh is the hour (00 through 23), mm is the minute (00 through 59), and ss is the seconds (00 through 59). The TZD stands for "Time Zone Designator" and its value can be Z (to indicate UTC, Coordinated Universal Time); an indication of the number of hours and minutes ahead of UTC (such as +03:00); or an



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indication of the number of hours and minutes behind UTC (such as -02:20).

This is the standard format for date and time values in HTML. For more information, see *http://www.w3.org/TR/* 1998/NOTE-datetime-19980827.

<dfn></dfn>			<	∶dfn> <th>fn&gt;</th>	fn>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Indicates the defining instance of the enclosed term. Usually rendered in bold text, it calls attention to the introduction of special terms and phrases.

#### Attributes

%coreattrs, %i18n, %events

<dir></dir>				<dir></dir>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Deprecated. Creates a directory list consisting of list items Directory lists were originally designed to display lists of files with short names, but they have been deprecated with the recommendation that unordered lists () be used instead. Most browsers render directory lists as they do unordered lists (with bullets), although some use a multicolumn format.

#### Attributes

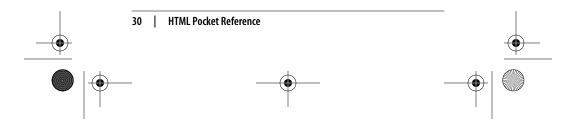
%coreattrs, %i18n, %events

compact

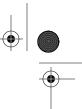
*Deprecated.* Makes the list as small as possible. Few browsers support the compact attribute.

<div></div>				<div><th>&gt;</th></div>	>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	-

Denotes a generic "division" within the document. This element can be used to add structure to an HTML document. When <div>



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was first introduced in HTML 3.2, only the alignment function (using the align attribute) was implemented by the major browsers. While it has no presentation properties of its own, it can be used in conjunction with the class and id attributes and then formatted with style sheets. Because divisions are block elements, they usually display with some added space above and below.

#### Attributes

%coreattrs, %i18n, %events

align=center|left|right

*Deprecated.* Aligns the text within the tags to the left, right, or center of the page.

#### class=name

Assigns a name to an element or a number of elements. Elements that share a class identification can be treated as a group.

#### id=name

Assigns a unique name to an element. There can not be two elements with the same id name in a document.

style=style properties

Embeds formatting information to be applied to the division contents.

#### <dl>

<dl>...</dl>

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV	Opera5
---	--------

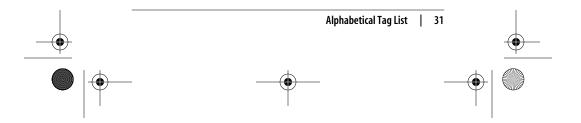
Indicates a definition list, consisting of terms (<dt>) and definitions (<dd>).

#### Attributes

%coreattrs, %i18n, %events

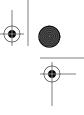
#### compact

*Deprecated.* Makes the list as small as possible. Few browsers support the compact attribute.





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#### <dt> <dt>...</dt> (end tag optional) NN 2, 3, 4, 6 HTML 4.01 WebTV 0pera5 MSIE 2, 3, 4, 5, 5.5, 6

Denotes the term portion of an item within a definition list. The closing tag is normally omitted but should be included when applying style sheets.

#### Attributes

%coreattrs, %i18n, %events

#### <em>

<em></em>				<em></em>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Indicates emphasized text. Nearly all browsers render emphasized text in italic.

#### Attributes

%coreattrs, %i18n, %events

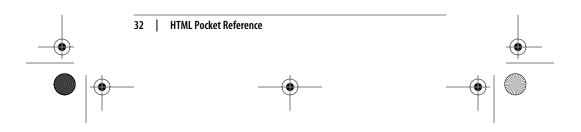
<embed/>			<embe< th=""><th>ed&gt;<th>۲&gt;</th></th></embe<>	ed> <th>۲&gt;</th>	۲>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	_

Embeds an object into the web page. Embedded objects are most often multimedia files that require special plug-ins to display (for example, Flash movies, Quicktime movies, etc.). In addition to the standard attributes listed below, certain media types and their respective plug-ins may have additional proprietary attributes for controlling the playback of the file. The closing tag is not always required, but is recommended.

#### Attributes

align=left|right|top|bottom

NN 4.0+ and MSIE 4.0+ only. Controls the alignment of the media object relative to the surrounding text. The default is bottom. top and bottom are vertical alignments. left and right position the object on the left or right margin and allow text to wrap around it.





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#### height=number

Specifies the height of the object in number of pixels. Some media types require this attribute.

#### hidden=yes|no

Hides the media file or player from view when set to yes. The default is no.

#### name=name

Specifies a name for the embedded object. This is particularly useful for referencing the object from a script.

#### palette=foreground|background

*NN* 4.0+ and *MSIE* 4.0+ only. This attribute applies to the Windows platform only. A value of foreground makes the plug-in's palette the foreground palette. Conversely, a value of background makes the plug-in use the background palette; this is the default.

#### pluginspage=url

*NN* 4.0+ *and MSIE* 4.0+ *only*. Specifies the URL for information on installing the appropriate plug-in.

#### src=url

*Required.* Provides the URL to the file or object to be placed on the page.

#### width=number

Specifies the width of the object in number of pixels. Some media types require this attribute.

#### Internet Explorer only

#### alt=*text*

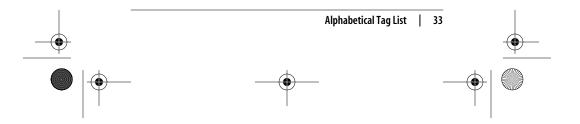
Provides alternative text when the media object cannot be displayed (same as for the <img> tag).

#### code=filename

Specifies the class name of the Java code to be executed.

#### codebase=url

Specifies the base URL for the application.





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#### units=pixels|en

Defines the measurement units used by height and width. The default is pixels. En units are half the point size of the body text.

#### **Netscape Navigator only**

#### border=number

Specifies the width of the border (in pixels) around the media object.

#### frameborder=yes|no

Turns the border on or off.

#### hspace=number

Used in conjunction with the align attribute, the horizontal space attribute specifies (in pixels) the amount of space to leave clear to the left and right of the media object.

#### pluginurl=*url*

Specifies a source for installing the appropriate plug-in for the media file. Netscape recommends that you use pluginurl instead of pluginspage.

#### type=MIME type

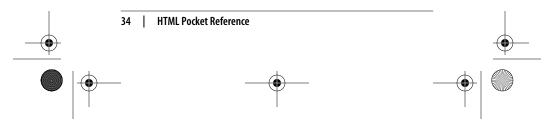
Specifies the MIME type of the plug-in needed to run the file. Navigator uses either the value of the type attribute or the suffix of the filename given as the source to determine which plug-in to use.

#### vspace=number

Used in conjunction with the align attribute, the vertical space attribute specifies (in pixels) the amount of space to leave clear above and below the media object.

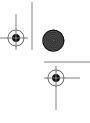
<fieldset></fieldset>		~	fieldset	<pre>&gt;</pre>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Used to encapsulate a section of forms content, creating a group of related form fields. The proper use of this tag should make documents more accessible to nonvisual browsers. It is similar to <div> but is specifically for grouping fields. It was introduced to improve form accessibility to users with alternative browsing devices.





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### Attributes

%coreattrs, %i18n, %events

<font></font>			<font></font>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Deprecated. Used to affect the style (color, typeface, and size) of the enclosed text.

#### Attributes

%coreattrs, %i18n

color=color name or #RRGGBB

Deprecated. Specifies the color of the enclosed text.

face=typeface (or list of typefaces)

*Deprecated.* Specifies a typeface for the text. The specified typeface is used only if it is found on the user's machine. You may provide a list of fonts (separated by commas), and the browser uses the first available in the string.

size=value

*Deprecated.* Sets the size of the type to an absolute value on a scale from 1 to 7 (3 is the default), or using a relative value +*n* or -*n* (based on the default or <basefont> setting).

<form></form>			<	form>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

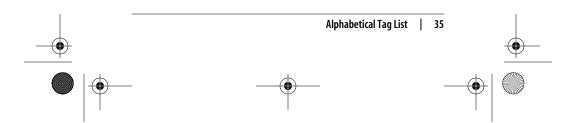
Indicates the beginning and end of a form. There can be more than one form in an HTML document, but forms cannot be nested inside one another, and it is important that they do not overlap.

#### Attributes

%coreattrs, %i18n, %events, onsubmit, onreset

accept=content-type-list

Specifies a comma-separated list of file types (MIME types) that the server will accept and is able to process. Browsers



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may one day be able to filter out unacceptable files when prompting a user to upload files to the server, but this attribute is not yet widely supported.

#### accept-charset=charset list

Specifies the list of character encodings for input data that must be accepted by the server in order to process the current form. The value is a space- and/or comma-delimited list of ISO character set names. The default value is unknown. This attribute is not widely supported.

#### action=url

*Required.* Specifies the URL of the application that will process the form. The default is the current URL.

#### enctype=encoding

Specifies how the values for the form controls are encoded when they are submitted to the server when the method is post. The default is the Internet Media Type (application/xwww-form-urlencoded). The value multipart/form-data should be used in combination with the file input element.

#### method=get|post

Specifies which HTTP method will be used to submit the form data. With get (the default), the information is appended to and sent along with the URL itself.

#### name=text

Names the element so that it may be referred to from style sheets or scripts

#### target=name

Specifies a target for the results of the form submission to be loaded so results can be displayed in another window or frame. The special target values \_bottom, \_top, \_parent, and \_self may be used.

#### <frame>

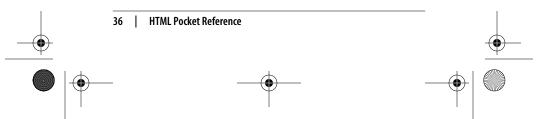
<frame> (no end tag)

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Defines a single frame within a <frameset>.

# Attributes

%coreattrs



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bordercolor="#rrggbb" or color name

*Nonstandard.* Sets the color for the frame's borders (if the border is turned on). Support for this attribute is limited to Netscape Navigator 3.0+ and Internet Explorer 4.0+.

frameborder=1|0 (IE 3+ and W3C 4.0 Spec.); yes |no (NN 3+ and IE 4.0+)

Determines whether there is a 3D separator drawn between the current frame and surrounding frames. A value of 1 (or yes) turns the border on. A value of 0 (or no) turns the border off. The default value is 1 (border on). You may also set the frameborder at the frameset level, which may be more reliable.

Because Netscape and Internet Explorer support different values, you need to specify the frameborder twice within <frame> to ensure full browser compatibility, as follows:

frameborder=yes frameborder=1 ...

#### longdesc=url

Specifies a link to a document containing a long description of the frame and its contents. This addition to the HTML 4.01 specification may be useful for nonvisual web browsers, but it is currently not well supported.

# marginwidth=number

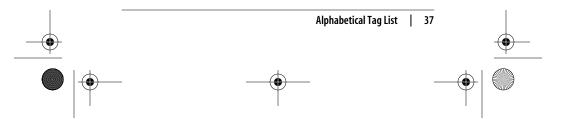
Specifies the amount of space (in pixels) between the left and right edges of the frame and its contents. The minimum value according to the HTML specification is 1 pixel. Setting the value to 0 in order to place objects flush against the edge of the frame works in Internet Explorer, but Netscape will still display a 1-pixel margin space.

## marginheight=number

Specifies the amount of space (in pixels) between the top and bottom edges of the frame and its contents. The minimum value according to the HTML specification is 1 pixel. Setting the value to 0 in order to place objects flush against the edge of the frame works in Internet Explorer, but Netscape will still display a 1-pixel margin space.

#### name=text

Assigns a name to the frame. This name may be referenced by targets within links to make the target document load within the named frame.





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# noresize

Prevents users from resizing the frame. By default, despite specific frame size settings, users can resize a frame by clicking and dragging its borders.

## scrolling=yes|no|auto

Specifies whether scrollbars appear in the frame. A value of yes means scrollbars always appear; a value of no means scrollbars never appear; a value of auto (the default) means scrollbars appear automatically when the contents do not fit within the frame.

#### src=url

Specifies the location of the initial HTML file to be displayed by the frame.

<frameset></frameset>		<frameset></frameset>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a collection of frames or other framesets.

#### Attributes

%coreattrs, onload, unload

border=number

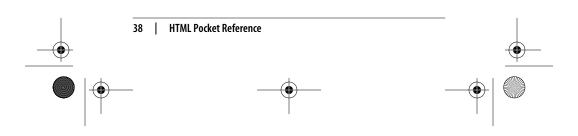
*Nonstandard.* Sets frame border thickness (in pixels) between all the frames in a frameset (when the frame border is turned on).

bordercolor="#rrggbb" or color name

*Nonstandard.* Sets a border color for all the borders in a frameset. Support for this attribute is limited to Netscape Navigator 3.0 and higher and Internet Explorer 4.0.

cols=list of lengths (number, percentage, or \*)

Establishes the number and sizes of columns (vertical frames) in a frameset. The number of columns is determined by the number of values in the list. Size specifications can be in absolute pixel values, percentage values, or relative values (\*) based on available space.



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frameborder=1|0 (IE 3+); yes | no (NN 3+ and IE 4.0+)

*Nonstandard.* Determines whether 3D separators are drawn between frames in the frameset. A value of 1 (or yes) turns the borders on; 0 (or no) turns the borders off.

Because Netscape and Internet Explorer support different values, you may need to specify the frameborder twice within <frameset> to ensure cross-browser compatibility, as follows:

frameborder=yes frameborder=1  $\dots$ 

framespacing=number (IE only)

*Internet 3.0 and higher only.* Adds additional space (in pixels) between adjacent frames.

rows=list of lengths (number, percentage, or \*)

Establishes the number and size of rows (horizontal frames) in the frameset. The number of rows is determined by the number of values in the list. Size specifications can be in absolute pixel values, percentage values, or relative values (\*) based on available space.

<h1> through <h6></h6></h1>				<hn></hn>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

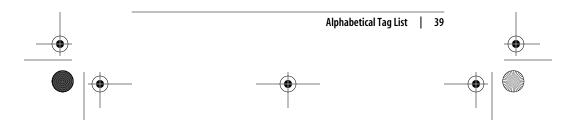
Specifies that the enclosed text is a heading (a brief description of the section it introduces). There are six different levels of headings, from <h1> to <h6>, with <h1> the largest and each subsequent level displaying at a smaller size. <h5> and <h6> usually display smaller than the surrounding body text.

#### Attributes

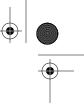
%coreattrs, %i18n, %events

align=center|left|right

*Deprecated.* Used to align the header left, right, or centered on the page. Microsoft Internet Explorer 3.0 and earlier do not support right alignment.



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# <head> <head>...</head> (start and end tags optional) NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Defines the head (also called "header") portion of the document that contains information about the document. The <head> tag has no directly displayed content, but serves only as a container for the other header tags, such as <base>, <meta>, and <title>.

#### Attributes

#### %i18n

profile=URL

Provides the location of a predefined metadata profile that can be referenced by <meta> tags in the <head> of the document. This attribute is not yet implemented by browsers.

<hr/>			<h< th=""><th>nr&gt; (no end tag)</th></h<>	nr> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Adds a horizontal rule to the page.



%coreattrs, %i18n, %events

align=center|left|right

*Deprecated.* If the rule is shorter than the width of the window, this tag controls horizontal alignment of the rule. The default is center.

#### noshade

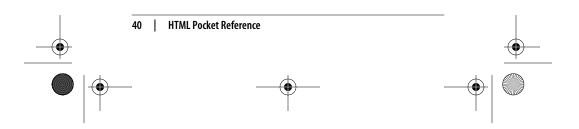
Deprecated. This displays the rule as a solid (non-shaded) bar.

#### size=number

Deprecated. Specifies the thickness of the rule in pixels.

# width=number or %

*Deprecated.* Specifies the length of the rule in pixels or as a percentage of the page width. By default, rules are the full width of the browser window.





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# <html> (start and end tags optional) NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Placed at the beginning and end of the document, this tag tells the browser that the entire document is composed in HTML.

## Attributes

#### dir=ltr|rtl

Indicates the direction the text should be rendered by the browser. The default is ltr (left-to-right), but some languages require rtl (right-to-left) rendering. The lang and dir attributes are part of the internationalization efforts incorporated into the HTML 4.01 specification. They can be added to almost any HTML element, but their use in the <html> tag is common for establishing the language for a whole document.

## lang=language code

Indicates the primary language of the document.

version="-//W3C//DTD HTML 4.01//EN"

Deprecated. Specifies the version of HTML the document uses (the value above specifies 4.01). It has been deprecated in favor of the SGML <!DOCTYPE> declaration placed before the <html> tag.

# <i>

<i>...</i>

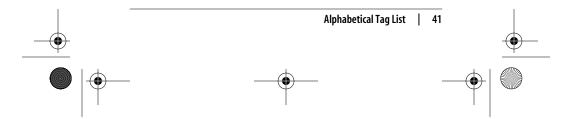
Enclosed text is displayed in italic.

# Attributes

%coreattrs, %i18n, %events

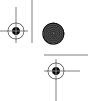
<iframe></iframe>			<iframe< th=""><th>&gt;</th></iframe<>	>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines an inline (floating) frame within a document with similar placement tags to <img>. This element requires a closing tag. Any content contained within the <iframe> tags will display on browsers that do not support inline frames.





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# Attributes

%coreattrs, %i18n, %events

- align=top|middle|bottom|left|right
  - Aligns the inline frame on the page within the flow of the text. Left and right alignment allows text to flow around the inline frame.
- frameborder=1|0

Turns on or off the displaying of a 3D border for the inline frame. The default is 1, which displays the border.

height=number

Specifies the height of the inline frame in pixels or as a percentage of the window size. Internet Explorer and Navigator use a default height of 150 pixels.

#### hspace=number

*Nonstandard.* Used in conjunction with left and right alignment, this attribute specifies the amount of space (in pixels) to hold clear to the left and right of the inline frame.

# longdesc=url

Specifies a link to a document containing a long description of the inline frame and its contents. This addition to the HTML 4.01 specification may be useful for nonvisual web browsers.

#### marginheight=number

Specifies the amount of space (in pixels) between the top and bottom edges of the inline frame and its contents.

# marginwidth=number

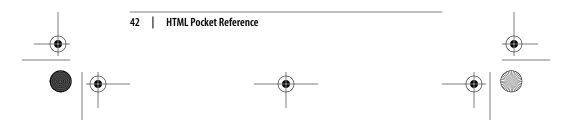
Specifies the amount of space (in pixels) between the left and right edges of the inline frame and its contents.

#### name=text

Assigns a name to the inline frame to be referenced by targeted links.

# noresize=number

Nonstandard. Prevents a frame from being resized by the user.





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#### scrolling=yes|no|auto

Determines whether scrollbars appear in the inline frame (see the earlier explanation of this attribute in <frame>).

#### src=url

Specifies the URL of the HTML document to display initially in the inline frame.

#### vspace=number

*Nonstandard.* Used in conjunction with left and right alignment, this attribute specifies the amount of space (in pixels) to hold clear above and below the inline frame.

#### width=number

Specifies the width of the inline frame in pixels or as a percentage of the window size. Internet Explorer and Navigator use a default width of 300 pixels.

<iframe></iframe>			<iframe></iframe>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines an inline (floating) frame within a document with similar placement tags to <img>. This element requires a closing tag. Any content contained within the <iframe> tags will display on browsers that do not support inline frames.

#### Attributes

%coreattrs, %i18n, %events

align=top|middle|bottom|left|right

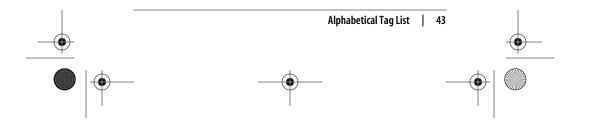
Aligns the inline frame on the page within the flow of the text. Left and right alignment allows text to flow around the inline frame.

frameborder=1|0

Turns on or off the displaying of a 3D border for the inline frame. The default is 1, which displays the border.

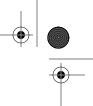
# height=number

Specifies the height of the inline frame in pixels or as a percentage of the window size. Internet Explorer and Navigator use a default height of 150 pixels.



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MSIE 2, 3, 4, 5, 5.5, 6



# <ilayer> NN 2, 3, 4, 6

<ilayer>...</ilayer 0pera5

WebTV

Identifies an inflow layer in Navigator versions 4 through 4.7. Inflow layers appear in the flow of the document, as opposed to a general layer (<layer>), which can be positioned absolutely regardless of its position in the document. Netscape abandoned the <layer> and <ilayer> elements in Netscape 6 in favor of the standards-compliant <div> tag for similar functionality.

HTML 4.01

# Attributes

See the <layer> entry for list of supported attributes.

<input th="" ty<=""/> <th>pe=button&gt;</th> <th><input< th=""><th>type=but</th><th>ton&gt; (no end tag)</th></input<></th>	pe=button>	<input< th=""><th>type=but</th><th>ton&gt; (no end tag)</th></input<>	type=but	ton> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Creates a customizable "push" button. Customizable buttons have no specific behavior but can be used to trigger functions created with JavaScript controls. Data from type=button controls is never sent with a form when a form is submitted to the server; these button controls are only for use with script programs on the browser.

#### Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

name=string

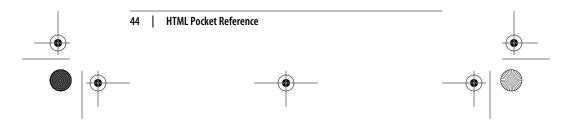
Required. Assigns a name to the push button control. A script program uses this name to reference this control.

value=string

Required. Specifies the value for this control.

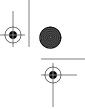
<input th="" ty<=""/> <th>pe=checkbox&gt;</th> <th><input< th=""><th>type=che</th><th>ckbox&gt;</th><th>(no end tag)</th></input<></th>	pe=checkbox>	<input< th=""><th>type=che</th><th>ckbox&gt;</th><th>(no end tag)</th></input<>	type=che	ckbox>	(no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML4.0	WebTV	Opera5	

Creates a checkbox input element within a <form>. Checkboxes are like on/off switches that can be toggled by the user. Several checkboxes in a group may be selected at one time. When a form





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is submitted, only the "on" checkboxes submit values to the server.

## Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

checked

When this attribute is added, the checkbox will be checked by default.

#### name=text

*Required.* Assigns a name to the checkbox to be passed to the form-processing application if selected. Giving several checkboxes the same name creates a group of checkbox elements, allowing users to select several options with the same property.

value=text

*Required.* Specifies the value of this control; this value is passed to the server only if the checkbox is selected. If no value is set, a default value of on is sent.

<input type="file"/>		<inpu< th=""><th>ıt type=f</th><th>ile&gt; (no end</th><th>l tag)</th></inpu<>	ıt type=f	ile> (no end	l tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Allows users to submit external files with their form submission. It is accompanied by a "browse" button when displayed in the browser.

## Attributes

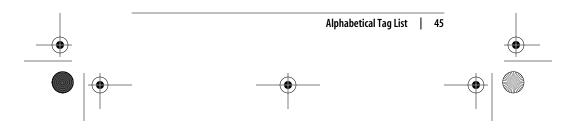
%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

accept=MIME type

Specifies a comma-separated list of content types that a server processing the form will handle correctly. It can be used to filter out nonconforming files when prompting a user to select files to send to the server.

name=text

Required. Assigns a name to the control.



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#### 

Creates an element that does not display in the browser. Hidden controls can be used to pass special form-processing information to the server that the user cannot see or alter.

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

#### name=text

*Required.* Specifies the name of the control; this name (and the corresponding value) are passed to the form-processing application.

#### value=text

*Required.* Specifies the value of the element that is passed to the form-processing application.

<input type="image"/>		<input< th=""><th>type=im</th><th>age&gt; (no end tag)</th></input<>	type=im	age> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Allows an image to be used as a substitute for a submit button. If a type=image button is pressed, the form is submitted.

#### Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

#### align=top|middle|bottom

Aligns the image with respect to the surrounding text lines.

#### alt=text

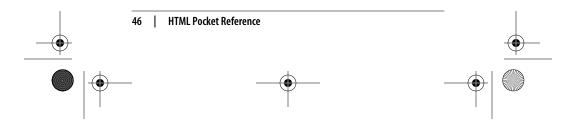
Provides a text description if the image can not be seen.

#### name=text

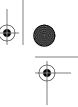
*Required.* Specifies the name of the control; this name (and the corresponding value) are passed to the form-processing application, along with data giving the coordinates of the mouse on top of the control image.

#### src=url

Required. Provides the URL of the image.



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# <input type=password> <input type=password> (no end tag) NN 2, 3, 4, 6 MSIE 2, 3, 4, 5.5, 6 HTML 4.01 WebTV Opera5

Creates a text-input element (like <input type=text>), but the input text is rendered in a way that hides the characters, such as by displaying a string of asterisks (\*) or bullets (•). Note that this does *not* encrypt the information entered and should not be considered a real security measure.

#### Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

maxlength=number

Specifies the maximum number of characters the user can input for this element. The default is an unlimited number of characters.

name=text

*Required.* Specifies the name of this control to be passed to the form-processing application for this element.

size=number

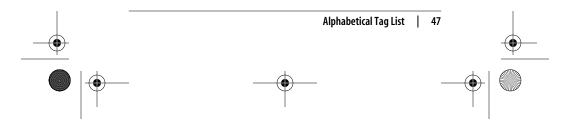
Specifies the size of the text-entry box (measured in number of characters) to be displayed for this element. Users can type entries that are longer than the space provided, causing the field to scroll to the right.

#### value=text

*Required*. Specifies the value that will initially be displayed in the text box.

<input type="radio"/>		<input< th=""><th>type=ra</th><th>dio&gt; (no end tag)</th></input<>	type=ra	dio> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Creates a radio button that can be turned on and off. When a group of radio buttons shares the same control name, only one button within the group can be "on" at one time, and all the others are "off." This makes them different from checkboxes, which allow multiple choices to be selected within a group. Only data from the "on" radio button is sent when the form is submitted.





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# Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

# checked

Causes the radio button to be in the "on" state when the form is initially displayed.

## name=text

*Required.* Specifies the name of the control to be passed to the form-processing application if this element is selected.

#### value=text

*Required.* Specifies the value of the parameter to be passed to the form-processing application.

<input type="reset"/>		<input< th=""><th>type=re</th><th>set&gt; (no end tag)</th></input<>	type=re	set> (no end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5, 6	HTML 4.01	WebTV	Opera5

Creates a reset button that clears the contents of the elements in a form (or sets them to their default values).

# Attributes



%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

value=text

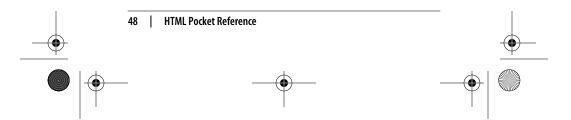
Specifies a value for the reset button control. This appears as the button label (it will say "Reset" by default).

<input th="" ty<=""/> <th>pe=submit&gt;</th> <th><input< th=""><th>type=sub</th><th><pre>mit&gt; (no end tag)</pre></th></input<></th>	pe=submit>	<input< th=""><th>type=sub</th><th><pre>mit&gt; (no end tag)</pre></th></input<>	type=sub	<pre>mit&gt; (no end tag)</pre>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Creates a submit button control; pressing the button immediately sends the information in the form to the server for processing.

# Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange





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# value=text

Specifies a value for the submit button control. This appears as the button label (it will say "Submit" by default).

#### name=text

*Required.* Specifies the name of this control to be passed to the form-processing application for this element.

<input type="text"/>		<inpu< th=""><th>it type=t</th><th>ext&gt; (no</th><th>end tag)</th></inpu<>	it type=t	ext> (no	end tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Creates a text input element. This is the default input type.

# Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onselect, onchange

## maxlength=number

Specifies the maximum number of characters the user can input for this element. The default is an unlimited number of characters.

#### name=text

*Required.* Specifies the name for the text input control. This name will be sent, along with the value, to the form-processing application.

#### size=number

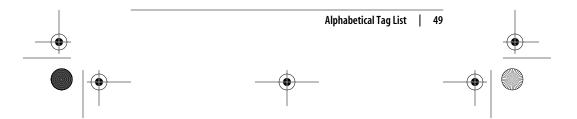
Specifies the size of the text-entry box (measured in number of characters) to be displayed for this element. Users can type entries that are longer than the space provided, causing the field to scroll to the right.

#### value=text

Specifies the value that will initially be displayed in the text box.

<ins></ins>				<ins><th>ns&gt;</th></ins>	ns>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Indicates text that has been inserted into the document. It has no inherent style qualities on its own but may be used to indicate





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inserted text in a different color via style sheet controls. It may be useful for legal documents and any instance in which edits need to be tracked. Its counterpart is deleted text (<del>). Both can be used to indicate either inline or block-level elements.

#### Attributes

%coreattrs, %i18n, %events

cite=URL

Can be set to point to a source document that explains why the document was changed.

datetime=YYYY-MM-DDThh:mm:ssTZD

Specifies the date and time the change was made. See <del> for an explanation of the date/time format.

<isindex/>		<isin< th=""><th>dex&gt; (no end tag)</th></isin<>	dex> (no end tag)	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Deprecated. Marks the document as searchable. The server on which the document is located must have a search engine that supports this searching. The browser displays a text entry field and a generic line that says, "This is a searchable index. Enter search keywords." This method is outdated; more sophisticated searches can be handled with form elements and CGI scripting.

#### Attributes

%coreattrs, %i18n

<kbd>

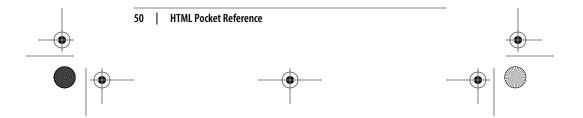
<kbd>...</kbd>

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Stands for "keyboard" and indicates text entered by the user. It is usually displayed in the browser's monospace font (usually Courier). Some browsers also display it in bold.

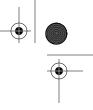
#### Attributes

%coreattrs, %i18n, %events





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# <label>

<label>...</label>

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5.5, 6 HTML 4.01 WebTV Opera5

Used to attach information to controls. Each label element is associated with exactly one form control.

# Attributes

%coreattrs, %i18n, %events, onblur, onfocus

accesskey=single character

Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

#### for=text

Explicitly associates the label with the control by matching the value of the for attribute with the value of the id attribute within the control element.

#### Example

<LABEL for="lastname">Last Name: </LABEL> <INPUT type="text" id="lastname" size="32">

<layer></layer>			<lay< th=""><th>ver&gt;</th></lay<>	ver>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Identifies a layer in Navigator versions 4 through 4.7. Layers allow content elements to be exactly positioned, hidden, shown, stacked, or accessed by scripts. Netscape abandoned the <layer> and <ilayer> elements in Netscape 6 in favor of the standards-compliant <div> tag for similar functionality.

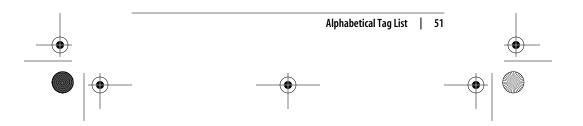
# Attributes

# above=layer name

Specifies the name of the layer to be rendered above the current layer.

# background=URL

Specifies a background image for the layer.





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below=*layer name* Specifies the name of the layer to be rendered below the current layer.

#### bgcolor=#RRGGBB or color name

Specifies the color of the current layer.

#### class=name

Gives the layer a class name to be referenced by a style sheet.

#### clip=x,y,x,y

Indicates the visible area of the layer. Content outside the clipping area will be transparent. Its values are a pair of x,y coordinates indicating the top-left and bottom-right corners of the rectangle clipping path.

#### height=number or %

Specifies the height of the layer.

#### id=text

Gives the layer a unique identifying name for use with style sheets or scripts.

#### left=number

Specifies the horizontal offset of a layer in pixels relative to its parent layer or the left page margin.

#### name=name

Gives the layer a name that can be referenced by scripts. id can also be used.

# pagex=number

Specifies (in number of pixels) the horizontal position of the layer relative to the browser.

## pagey=number

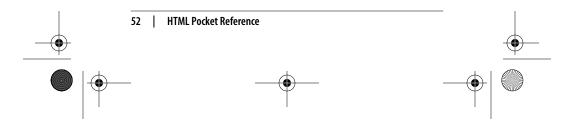
Specifies (in number of pixels) the vertical position of the layer relative to the browser.

#### src=url

Provides the location of a file to load into the layer.

#### style=style rules

Specifies inline style information for the layer.





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#### top=number

Specifies (in number of pixels) the top offset of the layer, relative to its parent layer or the top page margin.

# visibility=hide|inherit|show

Indicates whether a layer is hidden, shown, or inherits its visibility from its parent layer.

#### width=number

Specifies (in number of pixels) the width of the layer.

#### zindex=number

Specifies a layer's stacking order relative to other layers. A value of 1 indicates the bottommost layer, with higher integers stacking above in order.

<legend></legend>			<legend></legend>		
NN 2.3.4.6	MSIE 2.3.4.5.5.6	HTMI 4.01	WebTV	Opera5	

Assigns a caption to a <fieldset> (it must be contained within a <fieldset> element). This improves accessibility when the fieldset is rendered nonvisually.

# Attributes

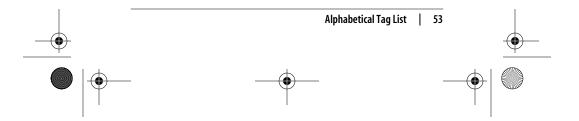
%coreattrs, %i18n, %events

accesskey=*single character* Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

align=bottom | left | right | top Deprecated. Indicates the position of the legend relative to the <fieldset> element.

<li></li>		<li></li> (end tag option)		(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines an item in a list. It is used within the <dir>, , and list tags.





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# Attributes

The following attributes have been deprecated by the HTML 4.0 specification in favor of style sheet controls for list item display.

#### %coreattrs, %i18n, %events

# start=number

*Deprecated.* Specifies the number for the first item in a numbered list.

#### type=format

*Deprecated.* Changes the format of the automatically generated numbers or bullets for list items.

Within unordered lists (), the type attribute can be used to specify the bullet style (disc, circle, or square) for a particular list item.

Within ordered lists (), the type attribute specifies the numbering style (see the table in the entry) for a particular list item.

# value=number

*Deprecated.* Within ordered lists, you can specify the number of an item. Following list items increase from the specified number.

# <link>

<link> (no end tag)

NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a relationship between the current document and another document. This tag goes within the <head> portion of the document. It is often used to refer to an external style sheet.

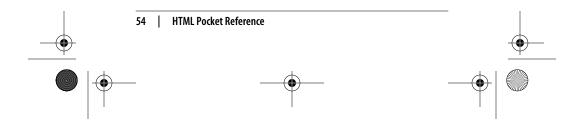
#### Attributes

%coreattrs, %i18n, %events

charset=character set id Specifies the character set of the linked document.

#### href=url

Identifies the target document.





hreflang=*language code* Identifies the language of the linked document.

media=screen|tty|tv|projection|handheld|print|braille|
 aural|all

Identifies the target medium for the linked document so an alternate style sheet can be accessed.

#### rel=relation

Describes the relationship from the current source document to the target. Common relationship types include stylesheet, next, prev, copyright, index, and glossary.

#### rev=relation

Specifies the relationship of the target document back to the source (the opposite of the rel attribute).

#### target=frame or window name

Defines the frame or window name that will display the linked resource.

# title=*text*

Provides a title for the target document.

#### type=resource

Shows the type of an outside link. The value text/css indicates that the linked document is an external cascading style sheet.

## <map>

<map>...</map>

## NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

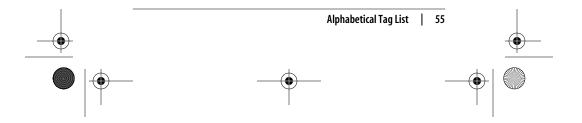
Encloses client-side imagemap specifications.

# Attributes

%coreattrs, %i18n, %events

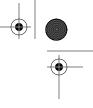
#### name=text

*Required.* Gives the imagemap a name that is then referenced within the <img> tag.





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#### <marquee>

<marquee>...</marquee>

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Creates a scrolling-text marquee area.

#### Attributes

align=top|middle|bottom

Aligns the marquee with the top, middle, or bottom of the neighboring text line.

#### behavior=scroll|slide|alternate

Specifies how the text should behave. Scroll is the default setting and means the text should start completely off one side, scroll all the way across and completely off, then start over again. Slide stops the scroll when the text touches the other margin. Alternate means bounce back and forth within the marquee.

# bgcolor=#rrggbb or color name

Sets the background color of the marquee.

#### direction=left|right

Defines the direction in which the text scrolls. IE 4.0+ also support the values up and down.

#### height=number

Defines the height in pixels of the marquee area.

## hspace=number

Holds a number of pixels space clear to the left and right of the marquee.

# loop=number|infinite

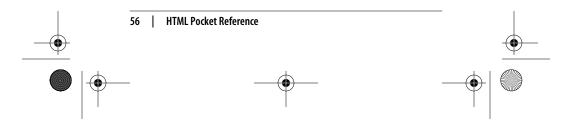
Specifies the number of times the text loops as a number value or infinite.

## scrollamount=number

Sets the number of pixels to move the text for each scroll movement.

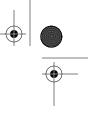
#### scrolldelay=number

Specifies the delay, in milliseconds, between successive movements of the marquee text.





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vspace=number

Holds a number of pixels space clear above and below the marquee.

width=number

Specifies the width in pixels of the marquee.

<menu></menu>		<menu></menu>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

*Deprecated.* This indicates the beginning and end of a menu list, which consists of list items <1i>. Menus are intended to be used for a list of short choices, such as a menu of links to other documents. It is little used and has been deprecated in favor of .

#### Attributes

%coreattrs, %i18n, %events

compact

Displays the list as small as possible (not many browsers do anything with this attribute).

<meta/>		<m< th=""><th>eta&gt;</th><th>(end tag forbidden)</th></m<>	eta>	(end tag forbidden)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebT\	0pera5

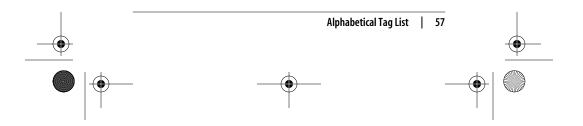
Provides additional information about the document. It should be placed within the <head> tags at the beginning of the document. It is commonly used for making documents searchable (by adding keywords) or to specify the character set for a document. Meta tags have been used for client-pull functions, but this function is discouraged.

#### Attributes

%i18n

#### content=text

*Required.* Specifies the value of the meta tag property and is always used in conjunction with name= or http-equiv=.





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# http-equiv=text

The specified information is treated as though it were included in the HTTP header that the server sends ahead of the document. It is used in conjunction with the content attribute (in place of the name attribute).

#### name=text

Specifies a name for the meta information property.

#### scheme=text

Provides additional information for the interpretation of meta data. This is a new attribute introduced in HTML 4.0.

## <multicol>

#### <multicol>...</multicol>

NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

*Netscape 4.x only.* Displays enclosed text in multiple columns of approximately the same length. It is rarely used.

# Attributes

#### cols=number

*Required.* Specifies the number of columns.

#### gutter=number

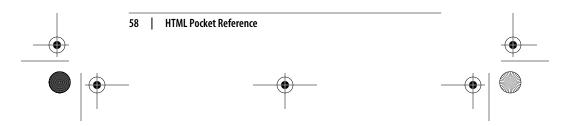
Specifies the amount of space (in pixels) to maintain between columns.

#### width=*number*

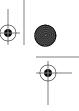
Specifies the width of the columns in pixels. All columns within <multicol> are the same width.

<nobr></nobr>			<no< th=""><th>br&gt;<th>br&gt;</th></th></no<>	br> <th>br&gt;</th>	br>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

*Nonstandard.* Text (or graphics) within the "no break" tags always display on one line, without allowing any breaks. The line may run beyond the right edge of the browser window, requiring horizontal scrolling. The HTML 4.01 specification prefers style sheets for preventing line breaks.



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# <noembed>

<noembed>...</noembed>

Opera5

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV

The text or object specified by <noembed> appears when an embedded object cannot be displayed (e.g., when the appropriate plug-in is not available). This tag is placed within the <embed> container tags.

<noframes></noframes>		<noframes></noframes>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines content to be displayed by browsers that cannot display frames. Browsers that do support frames ignore the content between <noframes> tags.

#### Attributes

%coreattrs, %i18n, %events

<noscript></noscript>		<noscript></noscript>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5



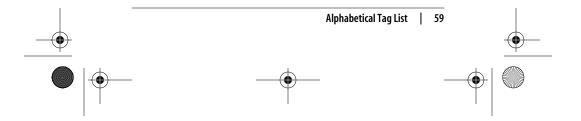
Defines content to be displayed by browsers that do not support scripting or have scripting turned off.

#### Attributes

%coreattrs, %i18n, %events

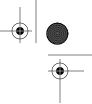
<object></object>			<object></object>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

A generic element used for placing an object (such as an image, applet, media file, etc.) on a web page. It is similar to the <embed> tag but is the W3C's approved method for adding elements to a page. Browser support for the <object> tag is not up to standards. Support in Navigator 4 is buggy, and in IE 4 (and even 5), the tag is generally useful only for ActiveX controls.





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# Attributes

%coreattrs, %i18n, %events

align=baseline|center|left|middle|right|textbottom|
textmiddle|texttop

*Deprecated.* Aligns object with respect to surrounding text. See the <img> tag for explanations of the align values.

archive=urls

Specifies a space-separated list of URLs for resources that are related to the object.

border=number

*Nonstandard.* Sets the width of the border in pixels if the object is a link.

## classid=url

Identifies the location of an object's implementation. It is used with or in place of the data attribute. The syntax depends on the object type.

# codebase=url

Identifies the base URL used to resolve relative URLs in the object (similar to <base>). By default, the codebase is the base URL of the current document.

#### codetype=codetype

Specifies the media type of the code. It is required only if the browser cannot determine an applet's MIME type from the classid attribute or if the server does not deliver the correct MIME type when downloading the object.

#### data=url

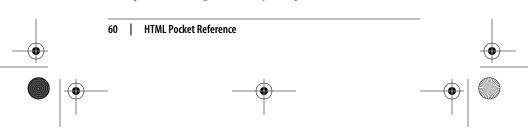
Specifies the URL of the data used for the object. The syntax depends on the object.

#### declare

*HTML 4.01.* Declares an object but restrains the browser from downloading and processing it. Used in conjunction with the name attribute, this facility is similar to a forward declaration in a more conventional programming language, letting you defer the download until the object actually gets used.

#### height=number

Specifies the height of the object in pixels.





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#### hspace=number

Deprecated. Holds number pixels space clear to the left and right of the object.

#### name=text

Specifies the name of the object to be referenced by scripts on the page.

#### standby=message

*HTML 4.01.* Specifies the message to display during object loading.

#### tabindex=number

Assigns the position of the current element in the tabbing order for the current document.

# type=*type*

Specifies the media type for the data.

#### usemap=*url*

Specifies the imagemap to use with the object.

# vspace=number

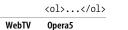
*Deprecated.* Holds *number* pixels space clear above and below the object.

## width=number

Specifies the object width in pixels.

MSIE 2, 3, 4, 5, 5.5, 6

# <0|> NN 2, 3, 4, 6



Defines the beginning and end of an ordered (numbered) list, which consists of list items litem numbers are inserted automatically by the browser.

HTML 4.01

## Attributes

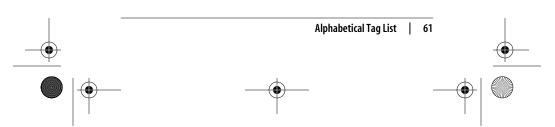
%coreattrs, %i18n, %events

#### compact

*Deprecated.* Displays the list as small as possible (not many browsers do anything with this attribute).

#### start=number

Starts the numbering of the list at *number* instead of at 1.





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# type=1|A|a|I|i

*Deprecated.* Defines the numbering system for the list as follows:

Type value	Generated style	Sample sequence
1	Arabic numerals (default)	1, 2, 3, 4
A	Uppercase letters	A, B, C, D
а	Lowercase letters	a, b, c, d
I	Uppercase Roman numerals	I, II, III, IV
i	Lowercase Roman numerals	i, ii, iii, iv

<optgrou< th=""><th>p&gt;</th><th></th><th><optgroup< th=""><th>&gt;</th></optgroup<></th></optgrou<>	p>		<optgroup< th=""><th>&gt;</th></optgroup<>	>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a logical group of <option>s. This could be used by browsers to display hierarchical cascading menus. <optgroups> cannot be nested.

# Attributes

%coreattrs, %i18n, %events

disabled

Disables the form control.

label=*text* 

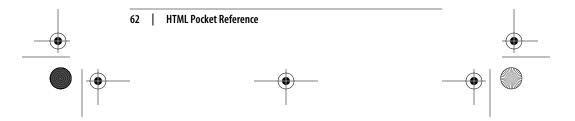
*Required.* Specifies the label for the option group.

<option></option>	<	coption><	/option>	(end tag option	al)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Defines an option within a select element (a multiple-choice menu or scrolling list). The end tag, although it exists, is usually omitted. The content of the <option> element is the value that is sent to the form processing application (unless an alternative value is specified using the value attribute).

#### Attributes

%coreattrs, %i18n, %events





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#### disabled

Disables the form control.

#### label

Allows the author to provide a shorter label than the content of the option. This attribute is poorly supported.

#### selected

Makes this item selected when the form is initially displayed.

#### value=text

Defines a value to assign to the option item within the select control, to use in place of <option> contents.

		(end tag		(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Denotes the beginning and end of a paragraph. While many browsers will also allow the tag to be used without a closing tag to start a new paragraph, the container method is preferred. When using cascading style sheets with the document container, tags are required or the formatting will not work. Browsers ignore multiple empty elements.

# Attributes

%coreattrs, %i18n, %events

align=center|left|right

*Deprecated.* Aligns the text within the tags to the left, right, or center of the page.

<param/>		<pre><param/> (no end</pre>			tag)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Supplies a parameter within the <applet> or <object> tag.

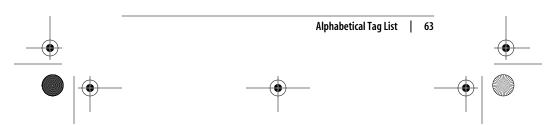
# Attributes

#### id=text

Gives the parameter a unique identifying name.

name=text

*Required.* Defines the name of the parameter.





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#### value=text

Defines the value of the parameter.

valuetype=data|ref|object

Indicates the type of value: data indicates that the parameter's value is data (default); ref indicates that the parameter's value is a URL; object indicates that the value is the URL of another object in the document.

type=content type

*HTML 4.01.* Specifies the media type of the resource only when the valuetype attribute is set to ref. It describes the types of values found at the referred location.

<pre></pre>				<pre></pre>	5>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Delimits preformatted text, meaning that lines are displayed exactly as they are typed in, honoring multiple spaces and line breaks. Text within tags tags is displayed in a monospace font such as Courier.

# Attributes

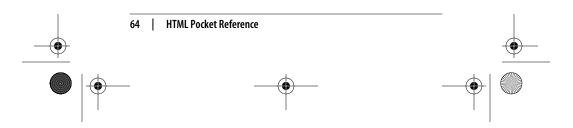
%coreattrs, %i18n, %events

width=value

*Deprecated.* This optional attribute determines how many characters to fit on a single line within the block.

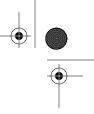
< <b>q</b> >				<q></q>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Delimits a short quotation that can be included inline, such as "to be or not to be." It differs from <blockquote>, which is for longer quotations set off as a separate paragraph element. Some browsers automatically insert quotation marks. When used with the lang (language) attribute, the browser may insert language-specific quotation marks.





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# Attributes

%coreattrs, %i18n, %events

cite=url

Designates the source document from which the quotation was taken.

<rt></rt>				<rt></rt>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

*Internet Explorer 5+ only.* Indicates "ruby text," annotation or pronunciation guidelines that appear in small text above the base text. The <rt> element is used within the <ruby> element.

# Attributes

## %coreattrs, %i18n, %events

accesskey=single character

Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

language=javascript|jscript|vbs|vbscript|xml
 Specifies the language that the current script is written in.

tabindex=number

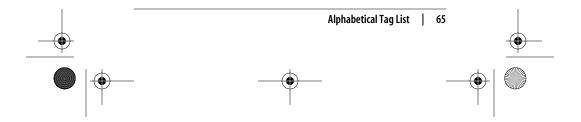
Assigns the position of the current element in the tabbing order for the current document.

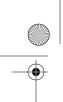
<ruby></ruby>			<ru< th=""><th>uby&gt;<th>&gt;</th></th></ru<>	uby> <th>&gt;</th>	>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	-

*Internet Explorer 5+ only.* Identifies the base text that will be displayed with "ruby text" above. Ruby text can be used for special annotations or pronunciation guidelines.

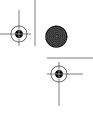
# Attributes

See the <rt> entry for a list of supported attributes.





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# Example

<ruby>This text will be used as the base text. <rt>Ruby text appears in small text above the base text. </rt> </ruby>

<s></s>			<s></s>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

*Deprecated.* Enclosed text is displayed as strike-through text (same as <strike> but introduced by later browser versions).

## Attributes

%coreattrs, %i18n, %events

<samp></samp>			<samp></samp>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Delimits sample output from programs, scripts, etc. Sample text is generally displayed in a monospace font.

# Attributes

%coreattrs, %i18n, %events

# <script>

<script>...</script>

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5.5, 6 HTML 4.01 WebTV Opera5

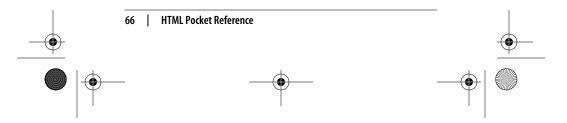
Places a script within the document. The script may be included in the document or loaded in from an external document.

# Attributes

charset=*character set identifier* Defines the character set of the linked resource.

## defer

Indicates that the script does not generate any document content, so the user agent may continue parsing and rendering.



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•| • •

language=scripting language name

*Deprecated.* Identifies scripting language for the current script element. It has been deprecated in favor of type.

src=url

Provides location of external script.

type=text

*Required.* Identifies the scripting language of the current script element (for example, text/javascript) and overrides the default scripting language.

<select></select>		<select></select>		:>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5	

Defines a multiple-choice menu or a scrolling list. It is a container for one or more <option> tags. This element may also contain one or more <optgroup>s.

# Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onchange



disabled Disables the form element.

# multiple

This allows the user to select more than one <option> from the list. When this attribute is absent, only single selections are allowed.

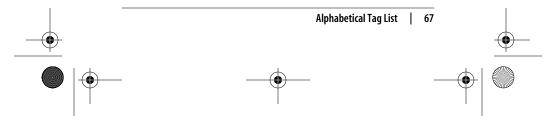
#### name=text

Defines the name for select control; when the form is submitted to the form-processing application, this name is sent along with each selected option value.

#### size=number

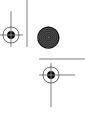
Specifies the number of rows that display in the list of options. For values higher than 1, the options are displayed as a scrolling list with the specified number of options visible. When size=1 is specified, the list is displayed as a pop-up menu.

The default value is 1 when multiple is *not* used. When multiple is specified, the value varies by browser (but a value of 4 is common).





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# tabindex=number

Assigns the position of the current element in the tabbing order for the current document.

<small></small>	
-----------------	--

<small></small>			<small></small>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	

Renders the type smaller than the surrounding text.

## Attributes

%coreattrs, %i18n, %events

<spacer/>		<pre><spacer/> (no end tag)</pre>		
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Holds a specified amount of blank space within the flow of a page. This is a proprietary tag introduced by Netscape; it met with controversy and is now rarely used in common practice. It can be used to maintain space within table cells for correct display in Navigator.

# Attributes

align=value

Aligns block spacer with surrounding text. Values are the same as for the <img> tag.

#### height=number

Specifies height in number of pixels for a block spacer.

# size=number

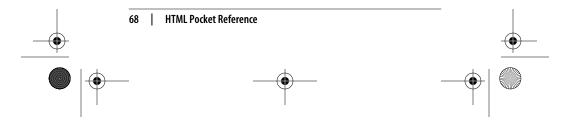
Specifies a number of pixels to be used with a vertical or horizontal spacer.

type=vertical|horizontal|block

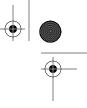
Specifies the type of spacer: vertical inserts space between two lines of text, horizontal inserts space between characters, and block inserts a rectangular space.

#### width=number

Specifies width in number of pixels for a block spacer.



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#### <span> <span>...</span> NN 2, 3, 4, 6 HTML 4.01 MSIE 2, 3, 4, 5, 5.5, 6 WebTV Opera5

Identifies a span of inline characters, but does not by default affect the formatting of those characters. It can be used in conjunction with the class and/or id attributes and formatted with cascading style sheets.

# Attributes

%coreattrs, %i18n, %events

#### class=name

Assigns a name to an element or a number of elements. Elements that share a class identification can be treated as a group.

#### id=name

Assigns a unique name to an element. There may not be two elements with the same id name in a document.

# style=style properties

Embeds style information to be applied to the division contents.

<strike></strike>			<strike></strike>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Deprecated. Enclosed text is displayed as strike-through text (crossed through with a horizontal line). The HTML 4.01 specification prefers style sheet controls for this effect.

# Attributes

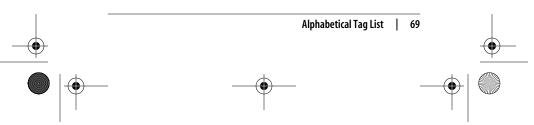
%coreattrs, %i18n, %events

<strong></strong>			<strong></strong>	
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Enclosed text is strongly emphasized. Nearly all browsers render <strong> text in bold.

# Attributes

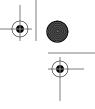
%coreattrs, %i18n, %events





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MSIE 2, 3, 4, 5, 5.5, 6



# <style> NN 2, 3, 4, 6

<style>...</style> Opera5

WebTV

Allows authors to embed style sheet rules in the head of the document There may be any number of <style> elements in a document.

HTML 4.01

# Attributes

#### %i18n

media=screen|tty|tv|projection|handheld|print|braille| aural|all

Specifies the target medium to which the style sheet applies.

#### type=content-type

Required. Specifies the style sheet language of the element's contents. The only viable type at this time is text/css.

HTML 4.01

WebTV

## title=*text*

Provides a title for the element.

# <sub> NN 2, 3, 4, 6

<sub>...</sub> Opera5



MSIE 2, 3, 4, 5, 5.5, 6 Formats enclosed text as subscript.

# Attributes

%coreattrs, %i18n, %events

# <sup>

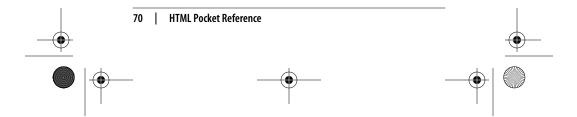
<sup>...</sup>

#### NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Formats enclosed text as superscript.

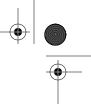
# Attributes

%coreattrs, %i18n, %events





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# 

...

NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

Defines the beginning and end of a table. The end tag is required, and its omission may cause the table not to render in some browsers.

#### Attributes

%coreattrs, %i18n, %events

align=left|right|center

Deprecated. Aligns the table within the text flow (same as align in the <img> tag). The default alignment is left. The center value is not universally supported, so it is more reliable to center a table on a page using tags outside the table (such as <center> or <div>).

# background=url

*Nonstandard.* Specifies a graphic image to be tiled in the background of the table. In Internet Explorer 3.0 and higher, the image tiles behind the entire table. In Netscape Navigator 4.0, the tile repeats in each individual cell (although its support is not officially documented).

bgcolor="#rrggbb" or color name

Specifies a background color for the entire table. Value is specified in hexadecimal RGB values or by color name.

#### border=number

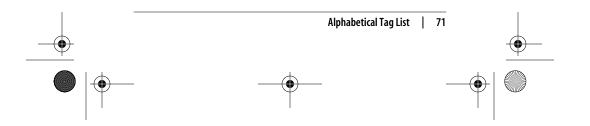
Specifies the width (in pixels) of the border around the table and its cells. Set it to border=0 to turn the borders off completely. The default value is 1. Adding the word border without a value results in a 1-pixel border.

## cellpadding=number

Sets the amount of space, in number of pixels, between the cell border and its contents. The default value is 1.

#### cellspacing=number

Sets the amount of space (in number of pixels) between table cells. The default value is 2.



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frame=void|above|below|hsides|lhs|rhs|vsides|box|border
 Tells the browser where to draw borders around the table.
 The values are as follows:

void	The frame does not appear (default)
above	Top side only
below	Bottom side only
hsides	Top and bottom sides only
vsides	Right and left sides only
lhs	Left side only
rhs	Right side only
box	All four sides
border	All four sides

When the border attribute is set to a value greater than zero, the frame defaults to border unless otherwise specified. This attribute was introduced by Internet Explorer 3.0 and now appears in the HTML 4.01 specification. Netscape supports this attribute in version 6 only.

#### height=number, percentage

*Nonstandard.* Specifies the minimum height of the entire table. It can be specified in a specific number of pixels or by a percentage of the parent element.

#### hspace=number

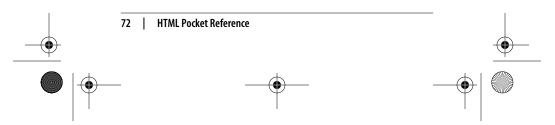
Holds a number of pixels space to the left and right of a table positioned with the align attribute (same as hspace in the  $\langle img \rangle$  tag).

#### rules=all|cols|groups|none|rows

Tells the browser where to draw rules within the table. Its values are as follows:

- none No rules (default)
- groups Rules appear between row groups (thead, tfoot, and tbody) and column groups
- rows Rules appear between rows only
- cols Rules appear between columns only
- all Rules appear between all rows and columns

When the border attribute is set to a value greater than zero, rules defaults to all unless otherwise specified.



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• | • •

This attribute was introduced by Internet Explorer 3.0 and now appears in the HTML 4.01 specification. Netscape supports it in version 6 only.

#### summary=text

Provides a summary of the table contents for use with nonvisual browsers.

#### vspace=number

Holds a number of pixels space above and below a table positioned with the align attribute (same as vspace in the <img> tag).

width=number, percentage

Specifies the width of the entire table. It can be specified in a specific number of pixels or by percentage of the parent element.

#### **Internet Explorer only**

bordercolor="#rrggbb" or color name

Specifies the color of the main center portion of a table border. (Table borders are rendered using three color values to create a 3D effect.)

•

bordercolorlight="#rrggbb" or color name Specifies the color of the light shade used to render 3Dlooking table borders.

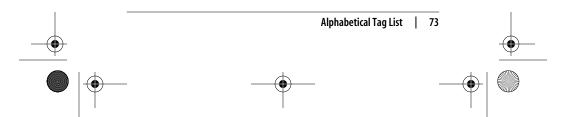
#### bordercolordark="#rrggbb" or color name

Specifies the color of the dark shade used to render 3D-looking table borders.

			(start and	end tags optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a row or group of rows as the "body" of the table. It must contain at least one row (

"Row group" tags (tbody, thead, and tfoot) were introduced by Internet Explorer and are part of the HTML 4.01 specification. The attributes for are currently not supported by any commercial browser. Row groups could speed table display and provide a mechanism for scrolling the body of a table





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independently of its head and foot. It could also be useful for printing long tables for which the head information could be printed on each page.

### Attributes

align=left|center|right|justify|char

*Deprecated.* Specifies horizontal alignment (or justification) of cell contents. The default value is left.

char=character

Specifies a character along which the cell contents will be aligned. The default character is a decimal point (languageappropriate). This attribute is generally not supported by current browsers.

charoff=length

Specifies the offset distance to the first alignment character (char) on each line. If a line doesn't use an alignment character, it should be horizontally shifted to end at the alignment position. This attribute is generally not supported by current browsers.

valign=top|middle|bottom|baseline

Deprecated. Specifies vertical alignment of cell contents.

	<b>d&gt;</b> <th></th> <th>(end tag optional)</th>			(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

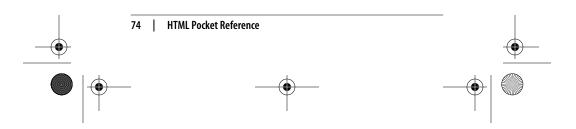
Defines a table data cell. The end tag is not required but may prevent unpredictable table display, particularly if the cell contains images. A table cell can contain any content, including another table.

#### Attributes

%coreattrs, %i18n, %events

align=left|center|right|justify|char

*Deprecated.* Specifies horizontal alignment (or justification) of cell contents. The default value is left.



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#### background=url

Specifies a graphic image to be used as a tile within the cell. Netscape's documentation does not cover this tag, but it is supported by version 4.0.

#### bgcolor="#rrggbb" or color name

Specifies a color to be used in the table cell. A cell's background color overrides colors specified at the row or table levels.

#### colspan=number

Specifies the number of columns the current cell should span. The default value is 1. According to the HTML 4.01 specification, the value zero (0) means the current cell spans all columns from the current column to the last column in the table; in reality, however, this feature is not supported in current browsers.

#### height=number, percentage

*Deprecated.* Specifies the height of the cell in number of pixels or by a percentage value relative to the table height. The height specified in the first column will apply to the rest of the cells in the row. The height values need to be consistent for cells in a particular row. Pixel measurements are more reliable than percentages, which only work when the height of the table is specified in pixels.

#### nowrap

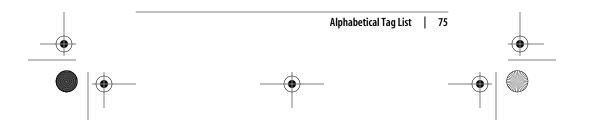
*Deprecated.* Disables automatic text wrapping for the current cell. Line breaks must be added with a <br> or by starting a new paragraph. This attribute is only supported in Internet Explorer 5 and higher.

#### rowspan=number

Specifies the number of rows spanned by the current cell. The default value is 1. According to the HTML 4.01 specification, the value zero (0) means the current cell spans all rows from the current row to the last row; in reality, however, this feature is not supported by any browsers.

#### valign=top|middle|bottom|baseline

*Deprecated.* Specifies the vertical alignment of the text (or other elements) within the table cell. The default is middle.





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#### width=number

*Deprecated.* Specifies the width of the cell in number of pixels or by a percentage value relative to the table width. The width specified in the first row will apply to the rest of the cells in the column, and the values need to be consistent for cells in the column.

#### Internet Explorer only

bordercolor="#rrggbb" or color name

Defines the border color for the cell.

bordercolorlight="#rrggbb" or color name
 Defines the dark shadow color for the cell border.

bordercolordark="#rrggbb" or color name Defines the light highlight color of the cell border.

### New in HTML 4.01

These attributes are part of the HTML standard but are not supported by current browsers.

#### abbr=text

Provides an abbreviated form of the cell's content.

#### axis=text

Places a cell into a conceptual category, which could then be used to organize or search the table in different ways.

#### char=character

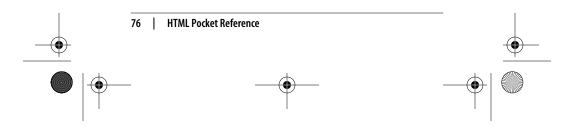
Specifies a character along which the cell contents will be aligned. The default character is a decimal point (language-appropriate).

#### charoff=length

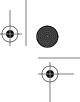
Specifies the offset distance to the first alignment character (char) on each line. If a line doesn't use an alignment character, it should be horizontally shifted to end at the alignment position.

#### headers=*id* reference

Lists header cells (by id) that provide header information for the current data cell. This is intended to make tables more accessible to nonvisual browsers.



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scope=row|col|rowgroup|colgroup

Specifies the table cells for which the current cell provides header information. A value of col indicates that the current cell is the header for all the cells that fall below. colgroup indicates the current cell is the header for the column group that contains it. A value of row means that the current cell is the header for the cells in the rest of the row. rowgroup means the current cell is the header for the containing rowgroup. This is intended to make tables more accessible to nonvisual browsers.

<textarea>&lt;/th&gt;&lt;th&gt;&lt;&lt;/th&gt;&lt;th&gt;textarea&lt;/th&gt;&lt;th&gt;&gt;</textarea>				
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a multiline text-entry control. The text that is enclosed within the <textarea> tags is displayed in the text-entry field when the form initially displays.

#### Attributes

%coreattrs, %i18n, %events, onblur, onfocus, onchange

accesskey=single character

Assigns an access key to the element. Pressing the access key gives focus to (jumps to and highlights) the element.

#### cols=number

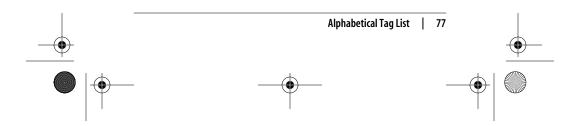
*Required.* Specifies the visible width of the text-entry field, measured in number of characters. Users may enter text lines that are longer than the provided width, in which case the entry scrolls to the right (or wraps if the browser provides some mechanism for doing so).

#### disabled

Disables the form element for user input.

#### name=text

*Required.* Specifies a name for the text input control. This name will be sent along with the control content to the form-processing application.





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#### rows=number

*Required.* Specifies the height of the text-entry field in number of lines of text. If the user enters more lines than are visible, the text field scrolls down to accommodate the extra lines.

#### tabindex=number

Assigns the position of the current element in the tabbing order for the current document.

- wrap=off|virtual|physical
  - Nonstandard. Sets word wrapping within the text area. off turns word wrapping off; users must enter their own line returns. virtual displays the wrap, but the line endings are not transmitted to the server. physical displays and transmits line endings to the server. Some browsers support the proprietary value soft as equivalent to virtual, and hard as equivalent to physical.

<tfoot></tfoot>		<tfoot><!--</th--><th>tfoot&gt;</th><th>(end tag optional)</th></tfoot>	tfoot>	(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5, 5, 6	HTML 4.01	WebTV	Opera5

Defines the foot of a table and should contain information about a table's columns. It is one of the "row group" tags introduced by Internet Explorer and proposed in the HTML 4.01 specification. A <tfoot> must contain at least one row (

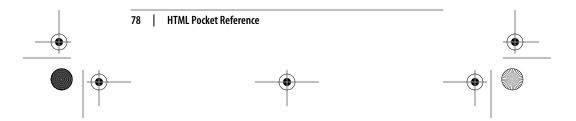
See for more information and a list of supported attributes.

>		(end tag option		(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines a table header cell. Table header cells function the same as table data cells (). Browsers generally display the content of table header cells in bold text centered horizontally and vertically in the cell (although some browsers vary). The end tag is optional.

#### Attributes

The tag uses the same attributes as the tag. See listing under .



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<thead></thead>		<thead>&lt;</thead>	/thead>	(end tag optional)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines the head of the table and should contain information about a table. It must contain at least one row (). <thead> is one of the "row group" tags introduced by Internet Explorer and proposed in the HTML 4.01 specification.

See for more information and a list of supported attributes.

<title>&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;titl&lt;/th&gt;&lt;th&gt;e&gt;&lt;/ti&lt;/th&gt;&lt;th&gt;tle&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;NN 2, 3, 4, 6&lt;/th&gt;&lt;th&gt;MSIE 2, 3, 4, 5, 5.5, 6&lt;/th&gt;&lt;th&gt;HTML 4.01&lt;/th&gt;&lt;th&gt;WebTV&lt;/th&gt;&lt;th&gt;Opera5&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>
--

*Required.* Specifies the title of the document. The title generally appears in the top bar of the browser window. According to the HTML 4.01 specification, all documents must contain a meaningful <title> within the <head> of the document.

#### Attributes

%i18n

		(e		(end tag optional	)
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5	-

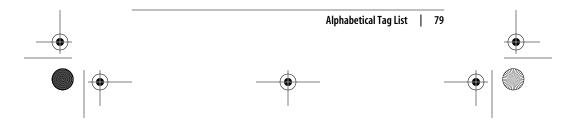
Defines a row of cells within a table. A table row as delimited by tags contains no content other than a collection of table cells (). Settings made in the tag apply to all the cells in that row, but individual cell settings override those made at the row level.

#### Attributes

%coreattrs, %i18n, %events

align=left|center|right|justify|char

*Deprecated.* Aligns the text (or other elements) within the cells of the current row. This attribute has been deprecated by the HTML 4.01 specification in favor of positioning with style sheets.



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bgcolor="#rrggbb" or color name

Specifies a color to be used in the row. A row's background color overrides the color specified at the table level.

#### char=character

Specifies a character along which the cell contents will be aligned. The default character is a decimal point (languageappropriate). This attribute is generally not supported by current browsers.

charoff=length

Specifies the offset distance to the first alignment character (char) on each line. If a line doesn't use an alignment character, it should be horizontally shifted to end at the alignment position. This attribute is generally not supported by current browsers.

valign=top|middle|bottom|baseline

*Deprecated.* Specifies the vertical alignment of the text (or other elements) within cells of the current row.

#### Internet Explorer only

background=url of image file Specifies a graphic image to be used as a tile within the row.

bordercolor="#rrggbb" or color name
 Defines the border color for the row.

bordercolorlight="#rrggbb" or color name Defines the dark shadow color for the row border.

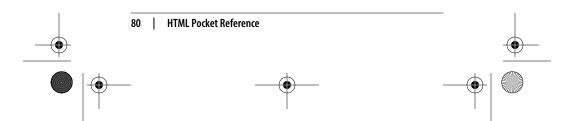
bordercolordark="#rrggbb" or color name
 Defines the light highlight color of the row border.

<tt></tt>				<tt></tt>
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Formats enclosed text as teletype text. The text enclosed in the <tt> tag is generally displayed in a monospaced font such as Courier.

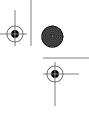
#### Attributes

%coreattrs, %i18n, %events





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## <u> <u>...</u> NN 2, 3, 4, 6 MSIE 2, 3, 4, 5, 5.5, 6 HTML 4.01 WebTV Opera5

*Deprecated.* Enclosed text is underlined when displayed. The HTML 4.01 specification prefers style sheet controls for this effect.

#### Attributes

%coreattrs, %i18n, %events

#### 

<u></u>	<ul></ul>			
NN 2, 3, 4, 6	MSIE 2, 3, 4, 5, 5.5, 6	HTML 4.01	WebTV	Opera5

Defines the beginning and end of an unordered (bulleted) list, which consists of list items Bullets for each list item are inserted automatically by the browser.

#### Attributes

%coreattrs, %i18n, %events

#### compact

*Deprecated.* Displays the list block as small as possible. Not many browsers support this attribute.

#### type=disc|circle|square

*Deprecated.* Defines the shape of the bullets used for each list item.

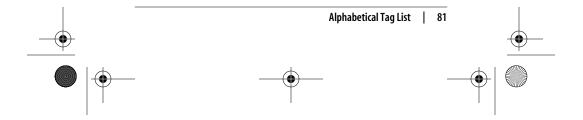
#### <var>

<var>...</var>

Indicates an instance of a variable or program argument, usually displayed in italic.

#### Attributes

%coreattrs, %i18n, %events



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# <wbr> <br/> <br/>

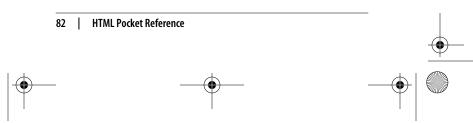
*Nonstandard.* Indicates a potential word break point. The <wbr>
tag works only when placed within <nobr>-tagged text and causes
a line break only if the current line already extends beyond the
browser's display window margins.

### **Character Entity Chart**

Characters not found in the normal alphanumeric character set, such as © or &, must be specified in HTML using character entities. Character entities can be defined by name (&name;) or by numeric value (&#nnn;). The browser interprets the string to display the proper character. Named entities are preferable because numeric values may be interpreted differently on different platforms.

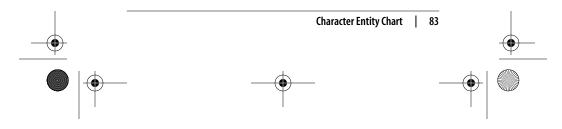
Unless otherwise noted, the character entities are part of the HTML 2.0 and later standards and will work with nearly all available browsers. A "4.01" in the character's description indicates that character entity is part of the HTML 4.0 Specification and is supported only by Internet Explorer and Navigator versions 4.0 and higher. An "N" in the description indicates that the character is a nonstandard entity.

Number	Name	Symbol	Description	Version
			Horizontal tab	
			Line feed	
			Carriage return	
			Space	
!		!	Exclamation point	
"	"	"	Quotation mark	
#		#	Hash mark	
\$		\$	Dollar symbol	
%		%	Percent symbol	
&	&	SZ	Ampersand	



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Number	Name	Symbol	Description	Version
'		'	Apostrophe (single quote)	
(		(	Left parenthesis	
)		)	Right parenthesis	
*		*	Asterisk	
+		+	Plus sign	
,		,	Comma	
-		-	Hyphen	
.			Period	
/		/	Slash	
0- 9		0-9	Digits 0–9	
:		:	Colon	
;		;	Semicolon	
<	<	<	Less than	
=		=	Equals sign	
>	>	>	Greater than	
?		?	Question mark	
@		@	Commercial at sign	
A- Z		A-Z	Letters A–Z	
[		[	Left square bracket	
\		\	Backslash	
]		]	Right square bracket	
^		^	Caret	
_		_	Underscore	
`		`	Grave accent (no letter)	
a- z		a-z	Letters a—z	
{		{	Left curly brace	
			Vertical bar	
}		}	Right curly brace	

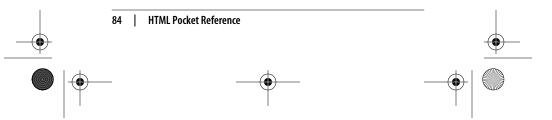


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Number	Name	Symbol	Description	Version
~		~	Tilde	
'		,	Low left single quote	Ν
ƒ		f	Small f with hook	Ν
"		"	Low left double quote	Ν
…			Ellipsis	Ν
†		†	Dagger	Ν
‡		‡	Double dagger	Ν
ˆ		^	Circumflex	Ν
‰		‰	Per mille (per thousand)	Ν
Š		Š	Capital S, caron	Ν
‹		<	Less-than sign	Ν
Œ		Œ	Capital OE ligature	Ν
'		•	Left single curly quote	Ν
'		,	Right single curly quote	Ν
"		"	Left double curly quote	Ν
"		"	Right double curly quote	Ν
•		•	Bullet	Ν
–		_	En dash	Ν
—		_	Em dash	Ν
˜		~	Tilde	Ν
™		ТМ	Trademark	Ν
š		š	Small s, caron	Ν
›		>	Greater-than sign	Ν
œ		œ	Lowercase oe ligature	Ν
Ÿ		Ÿ	Capital Y, umlaut	Ν
			Nonbreaking space	4.0
¡	¡	i	Inverted exclamation mark	4.0
¢	¢	¢	Cent sign	4.0
£	£	£	Pound symbol	4.0



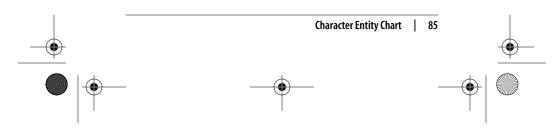
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Number	Name	Symbol	Description	Version
		Symbol ¥	Description Yen symbol	4.0
¥	¥	-	Broken vertical bar	4.0 4.0
¦	¦	1		
§	§	§ 	Section sign	4.0
¨	¨		Umlaut	4.0
©	©	©	Copyright	4.0
ª	ª	<u>a</u>	Feminine ordinal	4.0
8#171;	«	«	Left angle quote	4.0
¬	¬	7	Not sign	4.0
­	­	_	Soft hyphen	4.0
®	®	R	Registered trademark	4.0
¯	¯	-	Macron accent	4.0
°	°	0	Degree sign	4.0
±	±	±	Plus or minus	4.0
²	²	2	Superscript 2	4.0
³	³	3	Superscript 3	4.0
´	´	,	Acute accent (no letter)	4.0
µ	µ	μ	Micron (Greek mu)	4.0
¶	¶	¶	Paragraph sign	4.0
·	·	•	Middle dot	4.0
¸	¸	د	Cedilla	4.0
¹	¹	1	Superscript 1	4.0
º	º	Q	Masculine ordinal	4.0
»	»	»	Right angle quote	4.0
¼	¼	1/4	Fraction one-fourth	4.0
½	½	1/2	Fraction one-half	4.0
¾	¾	3/4	Fraction three-fourths	4.0
¿	¿	ż	Inverted question mark	4.0
À	À	À	Capital A, grave accent	
Á	Á	Á	Capital A, acute accent	
Â	Â	Â	Capital A, circumflex accent	

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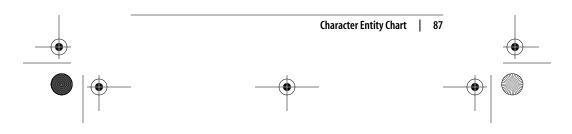
Number	Name	Symbol	Description	Version
Ã	Ã	Ã	Capital A, tilde accent	
Ä	Ä	Ä	Capital A, umlaut	
Å	Å	Å	Capital A, ring	
Æ	Æ	Æ	Capital AE ligature	
Ç	Ç	Ç	Capital C, cedilla	
È	È	È	Capital E, grave accent	
É	É	É	Capital E, acute accent	
Ê	Ê	Ê	Capital E, circumflex accent	
Ë	Ë	Ë	Capital E, umlaut	
Ì	Ì	Ì	Capital I, grave accent	
Í	Í	Í	Capital I, acute accent	
Î	Î	Î	Capital I, circumflex accent	
Ï	Ï	Ï	Capital I, umlaut	
Ð	Ð	Ð	Capital eth, Icelandic	
Ñ	Ñ	Ñ	Capital N, tilde	
Ò	Ò	Ò	Capital O, grave accent	
Ó	Ó	Ó	Capital O, acute accent	
Ô	Ô	Ô	Capital O, circumflex accent	
Õ	Õ	Õ	Capital O, tilde accent	
Ö	Ö	Ö	Capital O, umlaut	
×	×	×	Multiplication sign	4.0
Ø	Ø	Ø	Capital O, slash	
Ù	Ù	Ù	Capital U, grave accent	
Ú	Ú	Ú	Capital U, acute accent	
Û	Û	Û	Capital U, circumflex	
Ü	Ü	Ü	Capital U, umlaut	
Ý	Ý	Ý	Capital Y, acute accent	
Þ	Þ	b	Capital Thorn, Icelandic	
ß	ß	ß	Small sz ligature, German	
à	à	à	Small a, grave accent	
á	á	á	Small a, acute accent	

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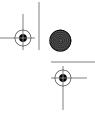
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84226;8acirc;âSmall a, circumflex accent8#227;8atilde;āSmall a, tilde8#228;8auml;äSmall a, unlaut8#229;8aring;åSmall a, ring8#230;8aelig;æSmall a ligature8#231;8ccedil;çSmall c, cedilla8#232;8egrave;èSmall e, grave accent8#233;8eacute;éSmall e, acute accent8#234;8ecirc;êSmall e, drut accent8#235;8euml;ëSmall e, unlaut accent8#236;8igrave;ìSmall i, acute accent8#237;8iacute;íSmall i, unlaut8#238;8icirc;îSmall i, unlaut8#239;8iuml;ïSmall i, unlaut8#240;8eth;∂Small o, grave accent8#241;8ntilde;ñSmall o, grave accent8#242;8ograve;òSmall o, grave accent8#243;8oacute;óSmall o, acute accent8#244;8ocirc;ôSmall o, circumflex accent8#245;8otilde;öSmall o, tilde8#246;8ouni;öSmall o, slash8#247;8divide;÷Division sign8#248;8oslash;øSmall u, acute accent8#249;8ucirc;ûSmall u, acute accent8#250;8uaute;úSmall u, acute accent8#251;8ucirc;ûSmall u, acute accent8#251	Number	Name	Symbol	Description	Version
ä&aum1äSmall a, umlautåååSmall a, ringæææSmall a ligatureçççSmall c, cedillaèèèSmall e, grave accentéééSmall e, acute accentêêêSmall e, acute accentë&eum1ëSmall e, umlaut accentìììSmall i, grave accentììîSmall i, acute accentì&isigraveîSmall i, acute accentì&isicircîSmall i, acute accentíííSmall i, acute accentîîîSmall i, umlautï&ium1ïSmall e, h. lealandicðð $\partial$ Small o, grave accentñññSmall o, grave accentòòóSmall o, acute accentóóóSmall o, umlautôôôSmall o, umlautõõ÷Division sign4.0ö&oum1öSmall o, slash÷÷÷Division sign4.0øøøSmall u, acute accentùùùSmall u, acute accentùùûSmall u, acute	â	â	â	Small a, circumflex accent	
åååSmall a, ringæææSmall ae ligatureçççSmall c, cedillaçççSmall e, grave accentèèèSmall e, acute accentéééSmall e, acute accentêêêSmall e, drumflex accentëëëSmall e, urnlaut accentìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, acute accentïïïSmall i, unlautïïïSmall eth, leelandicïïïSmall o, grave accentðð $\partial$ Small o, grave accentñññSmall o, acute accentòòôSmall o, circumflex accentóôôSmall o, tildeôôôSmall o, unlautõõ÷Division sign4.0øøøSmall u, grave accentùùùSmall u, grave accentõùûSmall u, acute accentõùûSmall u, acute accentõùûSmall u, acute accentõùûS	ã	ã	ã	Small a, tilde	
AmericanAmericanAmericanæææSmall ae ligatureçççSmall c, cedillaèèèSmall e, grave accentéééSmall e, acute accentêêêSmall e, circumflex accentëëëSmall e, unlaut accentìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, circumflex accentîîîSmall i, unlautïïïSmall eth, Icelandicðð $\partial$ Small o, grave accentòòòSmall o, circumflex accentóôôSmall o, tildeôôôSmall o, tildeõõöSmall o, unlautõõ÷Division sign4.0öööSmall o, grave accentõõ÷Division sign4.0öööSmall u, grave accent÷÷÷Division sign4.0øøøSmall u, grave accentùùùSmall u, grave accentõùúSmall u, acute accentõùúSmall u	ä	ä	ä	Small a, umlaut	
çççSmall c, cedillaèèèSmall e, grave accentéééSmall e, acute accentééêSmall e, acute accentêêêSmall e, urnlaut accentëëëSmall e, umlaut accentìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, circumflex accentïïïSmall i, umlautðð $\partial$ Small eth, lcelandicñññSmall o, grave accentòòòSmall o, grave accentóóóSmall o, acute accentôôôSmall o, unlautõõöSmall o, umlautõõ÷Division sign4.0ôôûSmall u, grave accentõ&uarteúSmall u, grave accentö&uarteúSmall u, grave accent÷÷÷Division sign4.0øøøSmall u, grave accentùùùSmall u, grave accentö&uarteúSmall u, acute accent÷÷÷Small u, acute accentøø </td <td>å</td> <td>å</td> <td>å</td> <td>Small a, ring</td> <td></td>	å	å	å	Small a, ring	
èèèSmall e, grave accentéééSmall e, acute accentêêêSmall e, acute accentëëëSmall e, uricumflex accentìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, acute accentïïïSmall i, umlautïïïSmall i, umlautðð $\partial$ Small eth, lcelandicñññSmall o, grave accentòòòSmall o, acute accentóóóSmall o, acute accentóóóSmall o, acute accentóóóSmall o, acute accentóóóSmall o, umlautóóóSmall o, umlautóóóSmall o, umlautóóúSmall o, slashôôûSmall u, grave accentõúúSmall u, acute accentõúúSmall	æ	æ	æ	Small ae ligature	
éééSmall e, acute accentêêêSmall e, circumflex accentëëëSmall e, umlaut accentìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, acute accentîîîSmall i, circumflex accentïïïSmall i, unlautðð $\partial$ Small eth, lcelandicòòòSmall o, grave accentóóóSmall o, acute accentóóóSmall o, circumflex accentóóóSmall o, acute accentóóóSmall o, unlautôôôSmall o, unlautõõ÷Division sign4.0õõ÷Division sign4.0ö&ounlöSmall u, grave accentõúúSmall u, grave accentõúúSmall u, acute accentõúúSmall u, acute accentõúúSmall u, urinautõúúSmall u, acute accentõúúSmall u, acute accentõúúSmall u, acute accentõ&	ç	<pre>ç</pre>	ç	Small c, cedilla	
êêêSmall e, circumflex accentëëëSmall e, umlaut accentììiSmall i, grave accentíííSmall i, acute accentîîîSmall i, circumflex accentîîîSmall i, circumflex accentïïïSmall i, circumflex accentïïïSmall i, umlautðð $\partial$ Small eth, lcelandicñññSmall o, grave accentòò $\hat{o}$ Small o, circumflex accentóó $\hat{o}$ Small o, circumflex accentôô $\hat{o}$ Small o, umlautõõ $\bar{o}$ Small o, umlautõõ $\bar{o}$ Small o, umlautõõ $\bar{o}$ Small o, umlautõõ $\bar{o}$ Small o, usingöö $\bar{o}$ Small o, slash÷÷ $+$ Division sign4.0øø $\wp$ Small u, grave accentùù $\bar{u}$ Small u, acute accent÷÷ $+$ Division sign4.0øø $\wp$ Small u, acute accentùù $\bar{u}$ Small u, grave accentùù $\bar{u}$	è	è	è	Small e, grave accent	
ëëëSmall e, umlaut accentìì iSmall i, grave accentíí iSmall i, acute accentîî iSmall i, circumflex accentîî iSmall i, circumflex accentïï iSmall i, umlautðð $\partial$ Small eth, lcelandicññ iiSmall o, grave accentòò ioSmall o, grave accentóó ioSmall o, acute accentôô ioSmall o, circumflex accentôô ioSmall o, umlautõõ iSmall o, umlautöö ioSmall o, umlaut÷÷ iDivision sign4.0øø ioSmall u, grave accentùù iuSmall u, grave accentóú iiSmall u, acute accentõú iiSmall u, acute accentõú iiSmall u, acute accentûû iiSmall u, umlautýý iiiSmall u, acute accentýý iiiSmall u, acute accentýý iiiSmall u, acute accentþþjiiýþjii	é	é	é	Small e, acute accent	
ìììSmall i, grave accentíííSmall i, acute accentîîîSmall i, acute accentîîîSmall i, circumflex accentïïïSmall i, umlautðð $\partial$ Small eth, lcelandicñññSmall o, grave accentòòòSmall o, grave accentóóóSmall o, acute accentóóôSmall o, circumflex accentóóôSmall o, umlautó&oacutôSmall o, umlautôôôSmall o, umlautõõ÷Division sign4.0öööSmall u, grave accent÷÷÷Division sign4.0øøøSmall u, grave accentùùùSmall u, grave accentùùûSmall u, grave accentúúúSmall u, acute accentûûûSmall u, urinautýýýSmall y, acute accentþþþSmall thorn, lcelandic	ê	ê	ê	Small e, circumflex accent	
íííSmall i, acute accentîîîSmall i, circumflex accentïïïSmall i, unlautðð $\partial$ Small eth, lcelandicñññSmall n, tildeòò $\hat{o}$ Small o, grave accentóó $\hat{o}$ Small o, acute accentôô $\hat{o}$ Small o, circumflex accentõõ $\bar{o}$ Small o, unlautõõ $\bar{o}$ Small o, unlautõõ $\bar{o}$ Small o, unlautõõ $\bar{o}$ Small o, unlautõõ $\bar{o}$ Small o, slashö&ounl $\bar{o}$ Small u, grave accent÷÷ $\div$ Division sign4.0øø $\wp$ Small u, grave accentùù $\bar{u}$ Small u, grave accentùù $\bar{u}$ Small u, acute accentùù $\bar{u}$ Small u, circumflex accentúú $\bar{u}$ Small u, unlautûû $\bar{u}$ Small u, unlautýý $\bar{y}$ Small u, acute accentþþ $p$ Small u, thorn, lcelandic	ë	ë	ë	Small e, umlaut accent	
îîîSmall i, circumflex accentïïïSmall i, umlautðð $\partial$ Small eth, lcelandicñññSmall n, tildeòò $\hat{o}$ Small o, grave accentóô $\hat{o}$ Small o, circumflex accentôô $\hat{o}$ Small o, circumflex accentôô $\hat{o}$ Small o, circumflex accentõõ $\tilde{o}$ Small o, umlautõõ $\hat{o}$ Small o, umlautöö $\tilde{o}$ Small o, usingöö $\tilde{o}$ Small o, usingöö $\tilde{o}$ Small o, slashøø $\omega$ Small u, grave accentùù $\hat{u}$ Small u, circumflex accentóø $\omega$ Small u, acute accentõû $\hat{u}$ Small u, umlautúú $\hat{u}$ Small u, umlautûû $\hat{y}$ Small u, umlautýý $\hat{y}$ Small u, unlautþþ $\hat{p}$ Small u, thorn, lcelandic	ì	ì	ì	Small i, grave accent	
<ul> <li>ï ï ï</li> <li>Small i, umlaut</li> <li>ð ð ∂</li> <li>Small eth, lcelandic</li> <li>ñ ñ ñ</li> <li>Small n, tilde</li> <li>ò ò ò</li> <li>Small o, grave accent</li> <li>ó ó ó</li> <li>Small o, acute accent</li> <li>ô ô ô</li> <li>Small o, circumflex accent</li> <li>õ õ õ</li> <li>Small o, umlaut</li> <li>ö ö ö</li> <li>Small o, umlaut</li> <li>÷ ÷ ÷</li> <li>Division sign</li> <li>4.0</li> <li>ø ø Ø</li> <li>Small u, grave accent</li> <li>ù ù ù</li> <li>Small u, acute accent</li> <li>ú ú ú</li> <li>Small u, circumflex accent</li> <li>û û û</li> <li>Small u, umlaut</li> <li>ý ý Ý</li> <li>Small y, acute accent</li> <li>þ þ þ</li> <li>Small thorn, lcelandic</li> </ul>	í	í	í	Small i, acute accent	
ðð $\partial$ Small eth, lcelandicñññSmall n, tildeñññSmall n, tildeòò $\dot{o}$ Small o, grave accentóó $\dot{o}$ Small o, acute accentôô $\hat{o}$ Small o, circumflex accentõõ $\tilde{o}$ Small o, circumflex accentõõ $\tilde{o}$ Small o, unlautö&ounl $\tilde{o}$ Small o, unlaut÷÷ $\div$ Division sign4.0øø $\phi$ Small u, grave accentøù $\hat{u}$ Small u, grave accentùù $\hat{u}$ Small u, acute accentúú $\hat{u}$ Small u, circumflex accentûû $\hat{u}$ Small u, umlautýý $\hat{y}$ Small y, acute accentþþ $\hat{p}$ Small thorn, lcelandic	î	î	î	Small i, circumflex accent	
ñññSmall n, tildeñòòSmall o, grave accentòòòSmall o, acute accentóôôSmall o, circumflex accentôôôSmall o, circumflex accentõõõSmall o, tildeöööSmall o, umlaut÷÷÷Division sign4.0øøøSmall o, slashùùùSmall u, grave accentùùúSmall u, acute accentúúúSmall u, circumflex accentûûûSmall u, umlautüüüSmall y, acute accentýýýSmall y, acute accentþþþSmall thorn, Icelandic	ï	ï	ï	Small i, umlaut	
òòòSmall o, grave accentóóóSmall o, acute accentóôôSmall o, circumflex accentôôôSmall o, tildeõõõSmall o, tildeöööSmall o, umlaut÷÷÷Division signøøøSmall o, slashøùùSmall u, grave accentùùùSmall u, acute accentúúúSmall u, circumflex accentûûûSmall u, umlautüüüSmall u, unlautýýýSmall y, acute accentþþþSmall thorn, Icelandic	ð	ð	9	Small eth, Icelandic	
óóóSmall o, acute accentôôôSmall o, circumflex accentôôôSmall o, circumflex accentõõõSmall o, umlautöööSmall o, umlaut÷÷÷Division sign4.0øøøSmall o, slashøùùSmall u, grave accentùùúSmall u, acute accentúúúSmall u, circumflex accentûûûSmall u, umlautüüüSmall y, acute accentýýýSmall u, unclautþþþSmall thorn, Icelandic	ñ	ñ	ñ	Small n, tilde	
ôôôSmall o, circumflex accentõõõSmall o, tildeõõöSmall o, unlautöööSmall o, umlaut÷÷÷Division sign4.0øøøSmall o, slashùùùSmall u, grave accentùúúSmall u, acute accentúúûSmall u, circumflex accentûûûSmall u, unlautüüüSmall y, acute accentýýýSmall y, acute accentþþþSmall thorn, Icelandic	ò	ò	ò	Small o, grave accent	
õõõSmall o, tildeõööSmall o, umlautöööSmall o, umlaut÷÷÷Division sign4.0øøøSmall o, slashøùùSmall u, grave accentùùùSmall u, acute accentúúúSmall u, circumflex accentûûûSmall u, umlautüüüSmall y, acute accentýýýSmall y, acute accentþþþSmall thorn, Icelandic	ó	ó	ó	Small o, acute accent	
öööSmall o, umlaut÷÷÷Division sign4.0øøøSmall o, slashøùùSmall u, grave accentúúúSmall u, acute accentûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþþSmall thorn, Icelandic	ô	ô	ô	Small o, circumflex accent	
÷÷÷Division sign4.0øøøSmall o, slashøùùSmall u, grave accentùùùSmall u, grave accentúúúSmall u, acute accentûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþþSmall thorn, Icelandic	õ	õ	õ	Small o, tilde	
øøØSmall o, slashùùùSmall u, grave accentúúúSmall u, acute accentûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþþSmall thorn, Icelandic	ö	ö	ö	Small o, umlaut	
ùùùSmall u, grave accentúúúSmall u, acute accentûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþbSmall thorn, Icelandic	÷	÷	÷	Division sign	4.0
úúúSmall u, acute accentûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþbSmall thorn, Icelandic	ø	ø	Ø	Small o, slash	
ûûûSmall u, circumflex accentüüüSmall u, umlautýýýSmall y, acute accentþþbSmall thorn, Icelandic	ù	ù	ù	Small u, grave accent	
üüüSmall u, umlautýýýSmall y, acute accentþþbSmall thorn, Icelandic	ú	ú	ú	Small u, acute accent	
ýýýSmall y, acute accentþþpSmall thorn, Icelandic	û	û	û	Small u, circumflex accent	
þ þ b Small thorn, Icelandic	ü	ü	ü	Small u, umlaut	
	ý	ý	ý	Small y, acute accent	
ÿ ÿ ÿ Smally, umlaut	þ	þ	þ	Small thorn, Icelandic	
	ÿ	ÿ	ÿ	Small y, umlaut	





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### **Extended HTML 4.01 Entities**

The HTML 4.01 specification introduces a wide variety of new character entities for rendering foreign languages, mathematical material, and other symbols. Their support is limited to the latest browser versions (IE 5.5 and NN 6, although NN4.x supports the Latin Extended-A set).

### Latin Extended-A

Number	Name	Symbol	Description	Version
Œ	Œ	Œ	Capital ligature OE	4.0
œ	œ	œ	Small ligature oe	4.0
Š	Š	Š	Capital S, caron	4.0
š	š	š	Small s, caron	4.0
Ÿ	Ÿ	Ÿ	Capital Y, umlaut	4.0

### Latin Extended-B

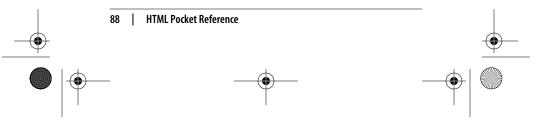
Number	Name	Symbol	Description	Version
ƒ	ƒ	f	Small f with hook	4.0

### Spacing Modifier Letters

Number	Name	Symbol	Description	Version
ˆ	ˆ	^	Circumflex accent	4.0
˜	˜	~	Tilde	4.0

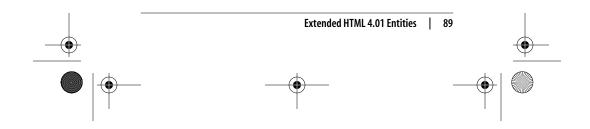
### Greek

Number	Name	Symbol	Description	Version
Α	Α	А	Greek capital alpha	4.0
Β	Β	В	Greek capital beta	4.0



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Number	Name	Symbol	Description	Version
Γ	Γ	Г	Greek capital gamma	4.0
Δ	Δ	Δ	Greek capital delta	4.0
Ε	Ε	E	Greek capital epsilon	4.0
Ε	Ζ	Z	Greek capital zeta	4.0
- /	,	L H	Greek capital eta	4.0
Η .	Η &Thota:	Θ	•	4.0 4.0
Θ	Θ	U I	Greek capital theta	4.0 4.0
Ι	Ι	-	Greek capital iota	
Κ	Κ	K	Greek capital kappa	4.0
Λ	Λ	Λ	Greek capital lambda	4.0
Μ	Μ	М	Greek capital mu	4.0
Ν	Ν	Ν	Greek capital nu	4.0
Ξ	Ξ	Ξ	Greek capital xi	4.0
Ο	Ο	0	Greek capital omicron	4.0
Π	Π	П	Greek capital pi	4.0
Ρ	Ρ	Р	Greek capital rho	4.0
Σ	Σ	Σ	Greek capital sigma	4.0
Τ	Τ	Т	Greek capital tau	4.0
Υ	Υ	Y	Greek capital upsilon	4.0
Φ	Φ	Φ	Greek capital phi	4.0
Χ	Χ	Х	Greek capital chi	4.0
Ψ	Ψ	Ψ	Greek capital psi	4.0
Ω	Ω	Ω	Greek small omega	4.0
α	α	α	Greek small alpha	4.0
β	β	β	Greek small beta	4.0
γ	γ	γ	Greek small gamma	4.0
δ	δ	δ	Greek small delta	4.0
ε	ε	ε	Greek small epsilon	4.0
ζ	ζ	ζ	Greek small zeta	4.0
η	η	η	Greek small eta	4.0
,	,	•		

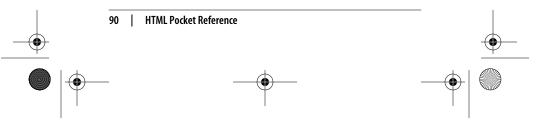


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Number	Name	Symbol	Description	Version
θ	θ	θ	Greek small theta	4.0
ι	ι	ι	Greek small iota	4.0
κ	κ	κ	Greek small kappa	4.0
λ	λ	λ	Greek small lambda	4.0
μ	μ	μ	Greek small mu	4.0
ν	ν	ν	Greek small nu	4.0
ξ	ξ	ξ	Greek small xi	4.0
ο	ο	0	Greek small omicron	4.0
π	π	π	Greek small pi	4.0
ρ	ρ	ρ	Greek small rho	4.0
ς	ς	S	Greek small letter final sigma	4.0
σ	σ	σ	Greek small sigma	4.0
τ	τ	τ	Greek small tau	4.0
υ	υ	υ	Greek small upsilon	4.0
φ	φ	¢	Greek small phi	4.0
χ	χ	χ	Greek small chi	4.0
ψ	ψ	ψ	Greek small psi	4.0
ω	ω	ω	Greek small omega	4.0
ϑ	ϑ	θ	Greek small theta symbol	4.0
ϒ	ϒ	r	Greek upsilon with hook	4.0
ϖ	ϖ	ω	Greek pi symbol	4.0

## **General Punctuation**

Number	Name	Symbol	Description	Version
			En space	4.0
			Em space	4.0
			Thin space	4.0
‌	‌	Non- printing	Zero-width non-joiner	4.0

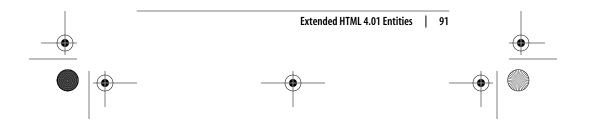


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Number	Name	Symbol	Description	Version
‍	‍	Non- printing	Zero-width joiner	4.0
‎	‎	Non- printing	Left-to-right mark	4.0
‏	‏	Non- printing	Right-to-left mark	4.0
–	–	-	En dash	4.0
—	—	_	Em dash	4.0
'	'	٢	Left single quotation mark	4.0
'	'	,	Right single quotation mark	4.0
'	'	,	Single low-9 quotation mark	4.0
"	"	"	Left double quotation mark	4.0
"	"	"	Right double quotation mark	4.0
"	"	"	Double low-9 quotation mark	4.0
†	†	†	Dagger	4.0
‡	‡	‡	Double dagger	4.0
•	•	•	Bullet	4.0
…	&hellep		Ellipses	4.0
‰	‰	‰	Per mille symbol (per thousand)	4.0
′	′	,	Prime, minutes, feet	4.0
″	″	"	Double prime, seconds, inches	4.0
‹	‹	<	Single left angle quotation (nonstandard)	4.0
›	›	>	Single right angle quotation (nonstandard)	4.0
‾	‾	-	Overline	4.0
⁄	⁄	/	Fraction slash	4.0
€	€	€	Euro symbol	4.0

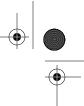
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## Letter-like Symbols

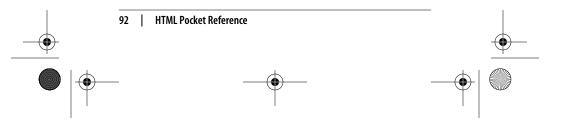
Number	Name	Symbol	Description	Version
℘	℘	Ø	Script capital P, power set	4.0
ℑ	ℑ	3	Blackletter capital I, imaginary part	4.0
ℜ	ℜ	R	Blackletter capital R, real part	4.0
™	™	TM	Trademark sign	4.0
ℵ	ℵ	х	Alef symbol, or first transfinite cardinal	4.0

### Arrows

Number	Name	Symbol	Description	Version
←	←	$\leftarrow$	Left arrow	4.0
↑	↑	$\uparrow$	Up arrow	4.0
→	→	$\rightarrow$	Right arrow	4.0
↓	↓	$\downarrow$	Down arrow	4.0
↔	↔	$\leftrightarrow$	Left-right arrow	4.0
↵	↵	4	Down arrow with corner leftwards	4.0
⇐	⇐	$\Leftarrow$	Leftwards double arrow	4.0
⇑	⇑	€	Upwards double arrow	4.0
⇒	⇒	$\Rightarrow$	Rightwards double arrow	4.0
⇓	⇓	$\Downarrow$	Downwards double arrow	4.0
⇔	⇔	$\Leftrightarrow$	Left-right double arrow	4.0

## Mathematical Operators

Number	Name	Symbol	Description	Version
∀	∀	$\forall$	For all	4.0
∂	∂	9	Partial differential	4.0
∃	∃	Ξ	There exists	4.0



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Number	Name	Symbol	Description	Version
∅	∅	Ø	Empty set, null set, diameter	4.0
∇	∇	$\nabla$	Nabla, backward difference	4.0
∈	∈	∈	Element of	4.0
∉	∉	∉	Not an element of	4.0
∋	∋	∋	Contains as a member	4.0
∏	∏	П	N-ary product, product sign	4.0
∑	∑	Σ	N-ary summation	4.0
−	−	_	Minus sign	4.0
∗	∗	*	Asterisk operator	4.0
√	√	$\checkmark$	Square root, radical sign	4.0
∝	∝	~	Proportional	4.0
∞	∞	$\infty$	Infinity symbol	4.0
∠	∠	$\angle$	Angle	4.0
∧	∧	^	Logical and, wedge	4.0
∨	∨	$\vee$	Logical or, vee	4.0
∩	∩	$\cap$	Intersection, cap	4.0
∪	∪	$\cup$	Union, cup	4.0
∫	∫	ſ	Integral	4.0
∴	∴		Therefore	4.0
∼	∼	~	Tilde operator, varies with, similar to	4.0
≅	≅	≅	Approximately equal to	4.0
≈	≈	~	Almost equal to, asymptotic to	4.0
≠	≠	≠	Not equal to	4.0
≡	≡	≡	Identical to	4.0
≤	≤	$\leq$	Less than or equal to	4.0
≥	åge;	≥	Greater than or equal to	4.0
⊂	⊂	$\subset$	Subset of	4.0
⊃	⊃	$\supset$	Superset of	4.0
⊄	⊄	¢	Not a subset of	4.0

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Number	Name	Symbol	Description	Version
⊆	⊆	⊆	Subset of or equal to	4.0
⊇	⊇	⊇	Superset of or equal to	4.0
⊕	⊕	$\oplus$	Circled plus, direct sum	4.0
⊗	⊗	$\otimes$	Circled times, vector product	4.0
⊥	⊥	$\perp$	Up tack, orthogonal to, perpendicular	4.0
⋅	⋅	•	Dot operator	4.0

## Miscellaneous Technical Symbols

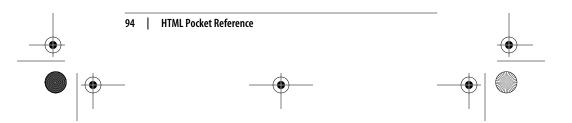
Number	Name	Symbol	Description	Version
⌈	⌈	Γ	Left ceiling	4.0
⌉	⌉	٦	Right ceiling	4.0
⌊	⌊	L	Left floor	4.0
⌋	⌋		Right floor	4.0
〈	⟨	<	Left-pointing angle bracket	4.0
〉	⟩	$\rangle$	Right-pointing angle bracket	4.0

## **Geometric Shapes**

Number	Name	Symbol	Description	Version
◊	◊	$\diamond$	Lozenge	4.0

## **Miscellaneous Symbols**

Number	Name	Symbol	Description	Version
♠	♠	٨	Black spade suit	4.0
♣	♣	*	Black club suit	4.0
♥	♥	•	Black heart suit	4.0
♦	♦	•	Black diamond suit	4.0

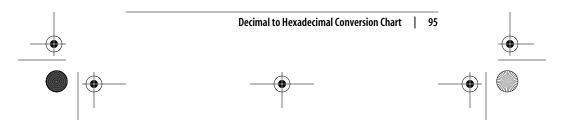


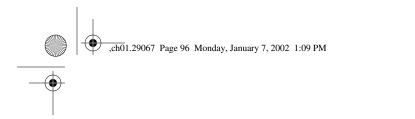
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## Decimal to Hexadecimal Conversion Chart

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	dec = hex					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 = 00	43 = 2B	86 = 56			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 = 01	44 = 2C	87 = 57	130 = 82	173 = AD	216 = D8
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13= 0D $56 = 38$ $99 = 63$ $142 = 8E$ $185 = B9$ $228 = E4$ 14= 0E $57 = 39$ 100 = 64143 = 8F186 = BA $229 = E5$ 15= 0F $58 = 3A$ 101 = 65144 = 90187 = BB230 = E616= 10 $59 = 3B$ 102 = 66145 = 91188 = BC231 = E717= 1160 = 3C103 = 67146 = 92189 = BD232 = E818= 1261 = 3D104 = 68147 = 93190 = BE233 = E919= 1362 = 3E105 = 69148 = 94191 = BF234 = EA20= 1463 = 3F106 = 6A149 = 95192 = C0235 = EB21 = 1564 = 40107 = 68150 = 96193 = C1236 = EC22 = 1665 = 41108 = 6C151 = 97194 = C2237 = ED23 = 1766 = 42109 = 6D152 = 98195 = C3238 = EE24 = 1867 = 43110 = 6E153 = 99196 = C4239 = EF25 = 1968 = 44111 = 6F154 = 9A197 = C5240 = F026 = 1A69 = 45112 = 70155 = 9B198 = C6241 = F127 = 1870 = 46113 = 71156 = 9C199 = C7242 = F228 = 1C71 = 47114 = 72157 = 9D200 = C8243 = F329 = 1D72 = 48115 = 73158 = 9E201 = C9244 = F430 = 1E73 = 49116 = 74159 = 9F202 = CA245 = F5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
14 = 0E $57 = 39$ $100 = 64$ $143 = 8F$ $186 = BA$ $229 = E5$ $15 = 0F$ $58 = 3A$ $101 = 65$ $144 = 90$ $187 = BB$ $230 = E6$ $16 = 10$ $59 = 3B$ $102 = 66$ $145 = 91$ $188 = BC$ $221 = E7$ $17 = 11$ $60 = 3C$ $103 = 67$ $146 = 92$ $189 = BD$ $232 = E8$ $18 = 12$ $61 = 3D$ $104 = 68$ $147 = 93$ $190 = BE$ $233 = E9$ $19 = 13$ $62 = 3E$ $105 = 69$ $148 = 94$ $191 = BF$ $234 = EA$ $20 = 14$ $63 = 3F$ $106 = 6A$ $149 = 95$ $192 = C0$ $235 = EB$ $21 = 15$ $64 = 40$ $107 = 68$ $150 = 96$ $193 = C1$ $236 = EC$ $22 = 16$ $65 = 41$ $108 = 6C$ $151 = 97$ $194 = C2$ $237 = ED$ $23 = 17$ $66 = 42$ $109 = 6D$ $152 = 98$ $195 = C3$ $238 = EE$ $24 = 18$ $67 = 43$ $110 = 6E$ $153 = 99$ $196 = C4$ $239 = EF$ $25 = 19$ $68 = 444$ $111 = 6F$ $154 = 9A$ $197 = C5$ $240 = F0$ $26 = 1A$ $69 = 45$ $112 = 70$ $155 = 9B$ $198 = C6$ $241 = F1$ $27 = 1B$ $70 = 46$ $113 = 71$ $156 = 9C$ $199 = C7$ $242 = F2$ $28 = 10$ $72 = 48$ $115 = 73$ $158 = 9E$ $201 = C9$ $244 = F4$ $30 = 1E$ $73 = 49$ $116 = 74$ $159 = 9F$ $202 = CA$ $245 = F5$ $31 = 1F$ $74 = 4A$ $117 = 75$ $160 = A0$ $203 = CB$ <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36 = 24	79 = 4F			208 = D0	251 = FB
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	37 = 25	80 = 50	123 = 7B		209 = D1	252 = FC
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	38 = 26	81 = 51	124 = 7C		210 = D2	253 = FD
41 = 29 $84 = 54$ $127 = 7F$ $170 = AA$ $213 = D5$	39 = 27	82 = 52	125 = 7D		211 = D3	254 = FE
12 24 05 55 120 00 00 01 D1	40 = 28	83 = 53	126 = 7E		212 = D4	255 = FF
42 = 2A 85 = 55 128 = 80 171 = AB 214 = D6	41 = 29	84 = 54	127 = 7F	170 = AA	213 = D5	
	42 = 2A	85 = 55	128 = 80	171 = AB	214 = D6	





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