

# HTML 4

## Quick Reference Card



### The Fundamentals

- HTML stands for HyperText Markup Language and is used to create web pages.
- HTML uses tags to tell web browsers what appears in the web page and how it should be formatted.
- Some tags require a closing tag that begins with a forward slash (i.e. <B></B>).
- Some tags may have attributes to provide additional information to the web browser.

#### Example of HTML

```
<HTML>
<HEAD>
<TITLE>Report on
Snails</TITLE>
<!--These are comments
that will not appear in
the web page-- >
</HEAD>
<BODY>
<H1>Introduction to
Snails</H1>
<P>Snails are any of as
many as 50,000 marine or
```

### URLs

- Uniform Resource Locators specify the location of files on the WWW.
- URLs may include the resource type (http://), server address (www.cnet.com), path (/reviews/), and file name (toshiba.html).  
For example: http://www.cnet.com/reviews/toshiba.html.

### Essential Page Elements

Tag/Attribute	Description	Syntax
<b>Document Type</b>	Beginning and ending of file	<HTML></HTML>
<b>Title</b>	Page title, must be in the header	<TITLE></TITLE>
<b>Header</b>	Descriptive information, such as page title, content, etc.	<HEAD></HEAD>
<b>Body</b>	The bulk of the web page	<BODY></BODY>

### Working with Text

Tag/Attribute	Description	Syntax
<b>Base Font Size</b>	Changes default font size from 1 to 7 (3 is the default setting)	<BASEFONT SIZE = num>
<b>Bigger</b>	Increase in font size	<BIG></BIG>
<b>Blinking</b>	Makes text blink on and off	<BLINK></BLINK>
<b>Bold</b>	Boldfaced text	<B></B>
<b>Citation</b>	Indicates a work cited	<CITE></CITE>
<b>Font Color</b>	Font color in hexadecimal number	FONT COLOR ="#rrggbb"></FONT>
<b>Font Face</b>	Font type, such as Arial	FONT FACE="face"</FONT>
<b>Font Size</b>	Font size from 1 to 7	FONT SIZE="n"</FONT>
<b>Font Size (Points)</b>	Font size in points	<FONT POINT-SIZE=?></FONT>
<b>Font Weight</b>	Font weight or boldness	<FONT WEIGHT=?></FONT>
<b>Italic</b>	Italizes text	<i></i>
<b>Non-Breaking Space</b>	Non-Breaking Space Character	&NBSP;
<b>Overstrike</b>	Strike through text	<S></S>
<b>Plain Text</b>	Disables tag processing	<PLAINTEXT></PLAINTEXT>
<b>Preformatted Text</b>	Displays text exactly as is	<PRE></PRE>
<b>Quote</b>	Quotations	<Q></Q>
<b>Regular Emphasis</b>	Usually italicizes text	<EM></EM>
<b>Sample Output</b>	For literal characters	<SAMP></SAMP>
<b>Smaller</b>	Decrease in font size	<SMALL></SMALL>
<b>Source Code</b>	For computer source code listings	<CODE></CODE>
<b>Strong Emphasis</b>	Usually bolds text	<STRONG></STRONG>
<b>Subscript</b>	Subscripts text	<SUB></SUB>
<b>Superscript</b>	Superscripts text	<SUP></SUP>
<b>Typewriter Style</b>	Fixed width font	<TT></TT>
<b>Underline</b>	Underlines text	<U></U>

### Paragraphs and Divisions

Tag/Attribute	Description	Syntax
<b>Align Text</b>	Aligns paragraphs	<P LEFT   CENTER   RIGHT   JUSTIFIED > </P>
<b>Division</b>	Defines a division	<DIV></DIV>
<b>Headings</b>	Displays the specified hierarchical heading level (1-6)	<H1></H1>...<H6></H6>
<b>Horizontal Rule</b>	Draws a line across the screen	<HR>
<b>HR Rule Alignment</b>	A horizontal rule's alignment	<HR LEFT   CENTER   RIGHT >
<b>HR Thickness</b>	The line thickness of a HR	<HR SIZE=n> (in pixels)
<b>HR Width</b>	The length of a horizontal rule	<HR WIDTH=n> (in pixels or %)
<b>Line Break</b>	Starts a new line (without any additional spacing)	<LB>
<b>No Break</b>	Prevents line breaks	<NOBR></NOBR>
<b>Paragraph</b>	Starts a new paragraph	<P>
<b>Word Break</b>	Where to break if needed	<WBR>

### Lists

Tag/Attribute	Description	Syntax
<b>Compact</b>	Compacted list	COMPACT
<b>Definition List</b>	List of terms and definitions	<DL></DL>
<b>Definition List Item</b>	Item to be defined	<DT>
<b>Definition Text</b>	Definition for the previous item	<DD>
<b>Directory List</b>	List of short items	<DIR></DIR>
<b>List Items</b>	A single item on a list	<LI>
<b>Menu</b>	Displays a menu list	<MENU></MENU>
<b>Ordered List</b>	Numbered list	<OL></OL>
<b>Numbering Type</b>	(for the entire list)	<OL TYPE=A   a   i   I   1 >
<b>Numbering Type</b>	(for this & subsequent items)	<LI TYPE=A   a   i   I   1 >
<b>Starting Number</b>	(for the entire list)	<OL START=?>
<b>Starting Number</b>	(for this & subsequent items)	<LI START=?>

### Hyperlinks

Tag/Attribute	Description	Syntax
<b>E-mail</b>	Where to send e-mail	MAILTO:email@domain.com
<b>Link to Location</b>	(In the same document)	<A HREF="#link"></A>
<b>Link to Location</b>	(In another document)	<A HREF="url#link"></A>
<b>Target Window</b>	Where a new document or web page appear, i.e. in the same window or in a new window	<A HREF="url" TARGET="_blank   _parent   self   _top"></A>

### Forms

Tag/Attribute	Description	Syntax
<b>Checked</b>	Use with check/radio boxes	<INPUT CHECKED>
<b>Define Form</b>	Defines the area of the web page used as a form	<FORM ACTION="url" METHOD=GET POST></FORM>
<b>Field Name</b>	The field name (required)	<INPUT NAME="name">
<b>Field Size</b>	Field size in characters	<INPUT SIZE="n">
<b>Field Value</b>	The field value	<INPUT VALUE="value">
<b>Input Field</b>	Inserts a certain type of input field such as a text box, check box, or button	<INPUT TYPE="TEXT PASSWORD CHECKBOX RADIO FILE BUTTON IMAGE HIDDEN SUBMIT RESET">
<b>List Items</b>	Items in a list or combo box	<SELECT></SELECT>
<b>Max Length</b>	Maximum length in characters	<INPUT MAXLENGTH=?>
<b>Option List</b>	Creates an option list	<OPTION></OPTION>
<b>Prompt</b>	Message in input field	<INPUT PROMPT="text">

### Special Characters

Character	Code	Character	Code	Character	Code
<	&lt;	&	&amp;	<b>Non-Breaking Space</b>	&nbsp;
>	&gt;	"	&quot;		

## Images

Tag/Attribute	Description	Syntax
<b>Insert Image</b>	The URL of the image to display	<IMG SRC="filename">
<b>Height</b>	The image height in pixels	<IMG HEIGHT=n>
<b>Width</b>	The image width in pixels	<IMG WIDTH=n>
<b>Alternative Text</b>	Displays alternative text	<IMG ALT="text">
<b>Border</b>	The image's border size in pixel	<IMG BORDER=n>
<b>Align</b>	Aligns the image on the page	<IMG ALIGN="Absbottom Absmiddle  Baseline Bottom Center Left  Middle Right Top">

## Cascading Style Sheets (CSS)

- **To Redefine an HTML Tag:** Enter the tag and CSS definition, for example: TAG{PROPERTY1,VALUE1,PROPERTY2,VALUE2...}
- **To Create a New Tag:** Precede the tag with a period, for example: .TAG{PROPERTY1,VALUE1,PROPERTY2,VALUE2...}
- **To Attach a Style Sheet:** Enter the code between the <HEAD></HEAD> tabs using the following syntax:  
<LINK REL="STYLESHEET" HREF="stylesheet.css">

Tag/Attribute	Values	Tag/Attribute	Values
<b>text-align</b>	left, right center	<b>color</b>	Text color in "#rrggbb"
<b>text-decoration</b>	none, blink, underline, underline, line-through	<b>font-weight</b>	normal, lighter, bold, bolder, 100...900
<b>text-indent</b>	0, number of pixels, %	<b>list-style-image</b>	URL(#image)
<b>text-transform</b>	none, uppercase, lowercase, capitalize	<b>list-style-type</b>	disc, circle, square, decimal, lower-alpha, lower-roman, upper alpha, upper roman
<b>font-family</b>	Table width in pixels or %	<b>background-image</b>	URL(#image)
<b>font-size</b>	number of points or %		
<b>font-style</b>	normal, italic, oblique		

## Tables

Tag/Attribute	Description	Syntax
<b>Define Table</b>	Indicates that there is a table	<TABLE></TABLE>
<b>Table Alignment</b>	Alignment of the table on the page	<TABLE ALIGN=LEFT RIGHT CENTER>
<b>Border</b>	The table's border in pixels	<TABLE BORDER=n>
<b>Border Color</b>	The border color	<TABLE BORDERCOLOR="#rrggbb">
<b>Table Width</b>	Table width in pixels or %	<TABLE WIDTH=n>
<b>Row</b>	Items in a table row	<TR></TR>
<b>Cell Alignment</b>	The alignment of text in a cell	<TR ALIGN=LEFT   RIGHT   CENTER   MIDDLE   BOTTOM>
<b>Cell Color</b>	The cell's background color	<TD BGCOLOR="#rrggbb">
<b>Cell Padding</b>	Space between cell and text	<TABLE CELLPADDING=n>
<b>Cell Spacing</b>	Amount of space between cells	<TABLE CELLSPACING=n>
<b>Cell Width</b>	Desired cell width pixels or %	<TD WIDTH =n>
<b>Cell No Linebreaks</b>	Specify if text can wrap in a cell	<TD NOWRAP>
<b>Columns to Span</b>	Number of columns a cell spans	<TD ROWSPAN=?>
<b>Rows to Span</b>	Number of rows a cell spans	<TD COLSPAN=?>
<b>Title</b>	The table's caption or title	<CAPTION></CAPTION>

## Example of a Table in HTML

```
<TABLE WIDTH="85%" BORDER="1" ALIGN="CENTER">
<TR>
<TH>Product</TH>
<TH>Price</TH>
</TR>
<TR>
<TD>Gadgets</TD>
<TD>$5.00</TD>
</TR>
<TR>
<TD>Gizmos</TD>
<TD>$18.00</TD>
</TR>
</TABLE>
```

## Background and Colors

- Colors values in HTML are entered using a hexadecimal code (#rrggbb), which uses numbers (0-9) and letters (A-F).

Tag/Attribute	Description	Syntax
<b>Background Image</b>	Specify an image to use as the background for a web page	<BODY BACKGROUND="image">
<b>Background Color</b>	The background's color	<BODY BGCOLOR="#rrggbb">
<b>Text Color</b>	The default text color	<BODY TEXT="#rrggbb">
<b>Link Color</b>	Color of unvisited links	<BODY LINK="#rrggbb">
<b>Visited Links</b>	Color of visited links	<BODY VLINK="#rrggbb">
<b>Active Link</b>	Color of the currently active link	<BODY ALINK="#rrggbb">
<b>Watermarked Background</b>	Specifies that the background image scrolls with the web page	<BODY BGPORPERTIES="FIXED">

## RGB Hexadecimal Color Chart

000000	000033	000066	000099	0000CC	0000FF
003300	003333	003366	003399	0033CC	0033FF
006600	006633	006666	006699	0066CC	0066FF
009900	009933	009966	009999	0099CC	0099FF
00CC00	00CC33	00CC66	00CC99	00CCCC	00CCFF
00FF00	00FF33	00FF66	00FF99	00FFCC	00FFFF
330000	330033	330066	330099	3300CC	3300FF
333300	333333	333366	333399	3333CC	3333FF
336600	336633	336666	336699	3366CC	3366FF
339900	339933	339966	339999	3399CC	3399FF
33CC00	33CC33	33CC66	33CC99	33CCCC	33CCFF
33FF00	33FF33	33FF66	33FF99	33FFCC	33FFFF
660000	660033	660066	660099	6600CC	6600FF
663300	663333	663366	663399	6633CC	6633FF
666600	666633	666666	666699	6666CC	6666FF
669900	669933	669966	669999	6699CC	6699FF
66CC00	66CC33	66CC66	66CC99	66CCCC	66CCFF
66FF00	66FF33	66FF66	66FF99	66FFCC	66FFFF
990000	990033	990066	990099	9900CC	9900FF
993300	993333	993366	993399	9933CC	9933FF
996600	996633	996666	996699	9966CC	9966FF
999900	999933	999966	999999	9999CC	9999FF
99CC00	99CC33	99CC66	99CC99	99CCCC	99CCFF
99FF00	99FF33	99FF66	99FF99	99FFCC	99FFFF
CC0000	CC0033	CC0066	CC0099	CC00CC	CC00FF
CC3300	CC3333	CC3366	CC3399	CC33CC	CC33FF
CC6600	CC6633	CC6666	CC6699	CC66CC	CC66FF
CC9900	CC9933	CC9966	CC9999	CC99CC	CC99FF
CCCC00	CCCC33	CCCC66	CCCC99	CCCCCC	CCCCFF
CCFF00	CCFF33	CCFF66	CCFF99	CCFFCC	CCFFFF
FF0000	FF0033	FF0066	FF0099	FF00CC	FF00FF
FF3300	FF3333	FF3366	FF3399	FF33CC	FF33FF
FF6600	FF6633	FF6666	FF6699	FF66CC	FF66FF
FF9900	FF9933	FF9966	FF9999	FF99CC	FF99FF
FFCC00	FFCC33	FFCC66	FFCC99	FFCCCC	FFCCFF
FFFF00	FFFF33	FFFF66	FFFF99	FFFFCC	FFFFFF