

HTML tags

TOP TAGS

head

- › title
- › base
- › script
- › style [type]
- › meta [http-equiv | name, **content**]
- › link [rel, rev, **href=url**]

body [background=url, bgcolor=color, text=color, link=color, vlink=color, alink=color]

STANDARD TEXT AND FORMATTING TAGS

a [href=url, name, rel, rev] *link, anchor*

b *bold*

blockquote

br [clear=left | all | right | none] *line break; no closing tag*

div [align=left | right | center] *for applying style to large blocks*

dl *definition list*

- › dt *term*
- › dd *definition*

font [face | size | color]

h1 [align=left | right | center] ... also h2, h3, h4, h5, h6 *headings*

hr [align=left | right | center, noshade, size, width] *horizontal rule; no closing tag*

i *italic*

ol [type=1 | a | A | i | I, start] *ordered list*

- › li [type=1 | a | A | i | I, value] *list item*

p *paragraph*

span *for applying style to small pieces*

sub *subscript*

sup *superscript*

ul [type=disc | square | circle] *unordered list*

- › li [type=disc | square | circle, value] *list item*

u *underline*

LESSER-KNOWN TEXT TAGS

abbr *abbreviation*

acronym

address

bdo [**dir=ltr** | **rtl**, lang] *bidirectional override – for languages that run a different direction*

big

cite

code

del [cite=url, datetime] *deleted text*

dfn *definition*
 em *emphasis*
 ins [cite=url, datetime] *inserted text*
 kbd *keyboard input*
 pre [width] *preformatted text*
 q *quotation*
 samp *sample*
 strike *strikethrough*
 strong
 tt *teletype*
 var *variable*

TABLE TAGS

table [align=left | center | right, width, border, cellspacing, cellpadding]
 › tr [align=left | center | right, valign=top | middle | bottom] *table row*
 › td [rowspan, colspan, nowrap, align=left | right | center, valign=top | middle | bottom, width, height] *table cell*

Lesser-known table tags:

- › caption [align=top | bottom]
- › col [span, width, align=left | center | right | justify | char, char, charoff, valign=top | middle | bottom | baseline] *column; poorly supported and rarely used*
- › colgroup [span, width, align=left | center | right | justify | char, char, charoff, valign=top | middle | bottom | baseline] *column group; poorly supported and rarely used*
- › tbody [align=left | center | right | justify | char] *table body*
- › tfoot [align=left | center | right | justify | char, char, charoff, valign=top | middle | bottom | baseline] *table footer rows*
- › th [rowspan, colspan, nowrap, align=left | center | right, valign=top | middle | bottom, width, height] *table heading*
- › thead [align=left | center | right | justify | char, char, charoff, valign=top | middle | bottom | baseline] *table header rows*

IMAGE TAGS

img [**src=url**, alt, align=left | right | top | middle | bottom, height, width, border, hspace, vspace, usemap=url, ismap] *image; no closing tag*
 map [name] *image map*
 › area [shape=rect | circle | poly | default, nohref | href=url, coords="#, #, ...", **alt**]

OTHER TAGS

form [action=url, method=get | post, enctype=string]
 › button [name, value, type=submit | reset | button, disabled, accesskey, tabindex, onfocus, onblur]
 › fieldset *form control group*
 › legend [accesskey, align=top | bottom | left | right]
 › input [type=text | password | checkbox | radio | submit | reset | file | hidden | image, name, value, checked, size, maxlength, src=url, align=top | middle | bottom | left | right]

- › select [**name**, size, multiple]
- › option [value, selected]
- › optgroup
- › textarea [**name**, **rows**, **cols**]

frameset [rows=#%,#%,..., cols=#%,#%,..., onload, onunload]

- › frame [name, src=url, longdesc=url, frameborder=1 | 0, marginwidth, marginheight, noresize, scrolling=yes | no | auto]
- › noframes

label [for, accesskey, onfocus, onblur]

object [data=url, classid=url, archive, codebase=url, width, height, name, usemap=url, type, codetype, standby, tabindex, declare, align=top | middle | bottom | right | left, border, hspace, vspace]

UNIVERSAL ATTRIBUTES

class
 dir = ltr | rtl *direction of text*
 lang = en | en-US | fr | ...
 style *for inline styles*
 title

HTML characters

Characters that will show up correctly pretty much everywhere:

"	"	"
&	&	&
<	<	<
>	>	>
	 	
¡	¡	¡
¢	¢	¢
£	£	£
¥	¥	¥
§	§	§
¨	¨	¨
©	©	©
«	«	«
¬	¬	¬
®	®	®
—	¯	¯
°	°	°
±	±	±
´	´	´
µ	µ	µ
¶	¶	¶
·	·	·
,	¸	¸

»	»	»
¿	¿	¿
À	À	À
Á	&Acute;	Á
Â	Â	Â
Ã	Ã	Ã
Ä	Ä	Ä
Å	Å	Å
Æ	Æ	Æ
Ç	Ç	Ç
È	È	È
É	É	É
Ê	Ê	Ê
Ë	Ë	Ë
Ì	Ì	Ì
Í	Í	Í
Î	Î	Î
Ï	Ï	Ï
Ñ	Ñ	Ñ
Ò	Ò	Ò
Ó	Ó	Ó
Ô	Ô	Ô
Õ	Õ	Õ
Ö	Ö	Ö
Ø	Ø	Ø
Ù	Ù	Ù
Ú	Ú	Ú
Û	Û	Û
Ü	Ü	Ü
ß	ß	ß
à	à	à
á	á	á
â	â	â
ã	ã	ã
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è	è	è
é	é	é
ê	ê	ê
ë	ë	ë
ì	ì	ì
í	í	í
î	î	î
ï	ï	ï
ñ	ñ	ñ
ò	ò	ò

ó	ó	ó
ô	ô	ô
õ	õ	õ
ö	ö	ö
÷	÷	÷
ø	ø	ø
ù	ù	ù
ú	ú	ú
û	û	û
ü	ü	ü
ÿ	ÿ	ÿ

Characters that are likely to work pretty much everywhere, but you can't be 100% sure, and you'll probably do better using the unofficial number codes:

€	€	€
‚	‚	‚
ƒ	ƒ	ƒ
”	„	„
…	…	…
†	†	†
‡	‡	‡
ˆ	ˆ	ˆ
‰	‰	‰
‹	‹	‹
Œ	Œ	Œ
‘	‘	‘
’	’	’
“	“	“
”	”	”
•	•	•
–	–	–
—	—	—
˜	˜	˜
™	™	™
›	›	›
œ	œ	œ
ÿ	Ÿ	Ÿ
ª	ª	ª
º	º	º

Characters that the Mac doesn't have (though IE on the Mac will fake up some of them):

Š	Š	Š
š	š	š
¤	¤	¤
	¦	¦
²	²	²
³	³	³
¹	¹	¹

¼	¼	¼
½	½	½
¾	¾	¾
Ð	Ð	Ð
×	×	×
Ý	Ý	Ý
Þ	Þ	Þ
ð	ð	ð
ý	ý	ý
þ	þ	þ

CSS properties

FONTS

font-family

```
{ font-family: "Times New Roman", Times, serif }
```

font-style: normal | italic | oblique

font-variant: normal | small-caps

font-weight: normal | bold | bolder | lighter | 100 | 200 | ... 900

font-size:

- › xx-small | x-small | small | medium | large | x-large | xx-large

- › larger | smaller

- › (length) = #pt | #pc | #in | #cm | #mm | #px | #em | #en

```
{ font-size: 12pt }
```

- › #%

```
{ font-size: 200% }
```

font *for grouping together any or all of the above plus line-height*

```
{ font: italic bold 12pt/15pt Verdana, Arial, Helvetica, sans-serif }
```

OTHER TEXT PROPERTIES

line-height: normal | # | (length) | #%

```
{ line-height: 24px }
```

```
{ line-height: 2 } double-spacing
```

word-spacing: normal | (length)

```
{ word-spacing: -0.5em }
```

letter-spacing: normal | (length)

text-decoration: none | [underline | overline | line-through | blink]

vertical-align: baseline | sub | super | top | text-top | middle | bottom | text-bottom | #%

text-transform: none | capitalize | uppercase | lowercase

text-align: left | right | center | justify

text-indent: (length) | #%

```
{ text-indent: 1em }
```

list-style-type: disc | circle | square | decimal | lower-roman | upper-roman | lower-alpha | upper-alpha | none

list-style-image: URL | none

```
{ list-style-image: url(..images/cockasnook.jpg) }
list-style-position: inside | outside
list-style for grouping together the three list-style attributes
  { list-style: url(dingbat.gif) square inside }
```

GENERAL PROPERTIES AND BOX PROPERTIES

```
display: block | inline | list-item | none
whitespace: normal | pre | nowrap
color: (color) = #rrggbb | #rgb (16-value) | rgb(##,##) (255-value) | rgb(##%,##%,##%) (100-value) |
  aqua | black | blue | fuchsia | gray | green | lime | maroon | navy | olive | purple | red | silver | teal
  | white | yellow
  { color: #cfcf95 } or { color: rgb(80%,76%,43%) } or { color: teal }
width: (length) | #% | auto
height: (length) | auto
float: left | right | none to wrap text around an element
clear: none | left | right | both to move the element below a floating element
background-color: (color) | transparent
background-image: URL | none
background-repeat: repeat | repeat-x | repeat-y | no-repeat
background-attachment: scroll | fixed will the image scroll with the text
background-position: #% | (length) | [top | center | bottom] [left | center | right]
  { background-position: top center } is the same as {background-position: top }
background for grouping together the background attributes
  { background: url(eaclogo.gif) #FFFFFF no-repeat fixed center }
margin-top: #% | (length) | auto
margin-right: #% | (length) | auto
margin-bottom: #% | (length) | auto
margin-left: #% | (length) | auto
margin for grouping margin properties; list them in order top right bottom left; if fewer than
  four values are used, the missing value is set to the opposite side's value
  { margin: 5% } all margins 5%
  { margin: 5% 7.5% } top and bottom 5%; sides 7.5%
  { margin: 5% 7.5% -6% } top 5%, sides 7.5%, bottom -6%
padding-top: #% | (length)
padding-right: #% | (length)
padding-bottom: #% | (length)
padding-left: #% | (length)
padding for grouping padding properties; works like margin, but no negative values
border-top-width: thin | medium | thick | (length)
border-right-width: thin | medium | thick | (length)
border-bottom-width: thin | medium | thick | (length)
border-left-width: thin | medium | thick | (length)
border-width for grouping border-width properties; works like padding
border-color: (color) can specify colours for each border, as with padding and width
  { border-color: #F0F #FF0 } purple top and bottom and yellow sides
border-style: none | dotted | dashed | solid | double | groove | ridge | inset | outset can specify style
  for each border, as with border-color
```

border-top for grouping width, style and color for the top border

border-right as with border-top

border-bottom as above

border-left as above

border for grouping width, style and color for all four borders; note that **all four must be the same** – you can't differentiate borders in this tag

```
{ border: 2px dashed navy }
```

! important will win over any contradictory style of equal weight

```
p { clear: none ! important }
```

```
/* comments */
```

ASSOCIATING STYLES WITH ELEMENTS

Selectors: Any HTML tag can be a selector:

```
p { font: medium bold Verdana, sans-serif rgb(0,16,64) ; clear: left } will apply to all paragraph tags unless overridden
```

Classes: Any selector can have subclasses:

```
p.ugly { font: bold italic 18pt/18pt olive Arial, Helvetica, sans-serif }
```

```
p.better { font: 14pt/18pt #FEFEFF Trebuchet, Arial, Helvetica, sans-serif }
```

A subclass can also be free to be applied to any element:

```
.hangright { float: right }
```

Contextual selectors: You can specify a style for when a tag appears inside another tag:

```
ol cite { font-style: italic } will make any text within a <cite> tag in an ordered list show in italics
```

Pseudo-classes and pseudo-elements: There are a few extra specifications you can make:

```
a:link
```

```
a:active
```

```
a:visited
```

```
:first-line may be applied to any block-level element
```

```
h3:first-line { font-variant: small-caps }
```

```
:first-letter may be applied to any block-level element
```

```
p.drop:first-letter { font: 200% ; float: left } will make a two-line drop cap
```

SPECIFYING A STYLE IN THE HTML CODE

Where a style is specified for a given tag without subclassing, everything inside that tag will be in that style unless overridden.

```
p { font: 12pt/15pt Times, "Times New Roman", serif } will make all paragraphs this style by default
```

There are three usual ways to apply a subclass style:

a) *right in the tag:* `<td class="hateful">`

b) *using * – this is for short stretches within block-level tags (e.g., it can't contain paragraphs or table cells, but it can contain `<i>` or `` tags): ``

c) *using <div>* – this is for longer stretches and can contain as many tags as you want: `<div class="maintext">`

INCLUDING A STYLE SHEET IN A DOCUMENT

In the head

Link to an external sheet:

```
<link rel=stylesheet href="style.css" type="text/css" media="screen, print, projection">
```

Some more involved ways are discussed on HTMLhelp.com. The media attribute is optional.

The style sheet document itself should contain only style statements; nothing else is needed.

Embed a style sheet:

```
<style type="text/css">
```

```
<!--
```

```
body { font: 12pt/15pt Trebuchet, Arial, Helvetica, sans-serif }
```

```
/* and so on */
```

```
-->
```

```
</style>
```

The comment tags are just so the text won't display. It shouldn't anyway, as it's in the header, but some older browsers that don't know CSS will show it.

In the body

Use the style attribute:

```
<p style="font: 12pt/15pt Trebuchet, Arial, Helvetica, sans-serif">
```