

Syntax

Syntax

```
selector {property: value;}
```

External Style Sheet

```
<link rel="stylesheet" type="text/css"
href="style.css" />
```

Internal Style

```
<style type="text/css">
selector {property: value}
</style>
```

Inline Style

```
<tag style="property: value">
```

General

class	String preceded by a full stop [.]
ID	String preceded by a hash [#]
div	Formats structure or block of text
span	Inline formatting
color	Foreground colour
cursor	Appearance of the cursor
display	block; inline; list-item; none
overflow	How to handle content that overflows its box. visible, hidden, scroll, auto
visibility	visible, hidden

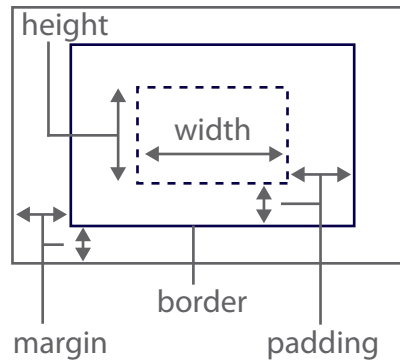
Font

font-style	italic, normal
font-variant	normal, small-caps
font-weight	bold, normal, lighter, bolder, integer [100-900]
font-size	Size of the font
font-family	Specific font[s] to be used.

Text

letter-spacing	Space between letters
line-height	Vertical space between baselines
text-align	Horizontal alignment
text-decoration	blink, line-through, none, overline, underline
text-indent	First line indentation
text-transform	capitalise, lowercase, uppercase
vertical-align	Vertical alignment
word-spacing	Spacing between words

This Needs a Diagram



height; width;
margin-top;
margin-right;
margin-bottom;
margin-left;
padding-top;
padding-right;
padding-bottom;
padding-left;

Border

border-width	Width of the border
border-style	dashed; dotted; double; groove; inset; outset; ridge; solid; none;
border-color	Colour of the border

Position

clear	If any floating elements around the element both, left, right, none
float	Floats to a specified side left, right, none
left	The left position of an element auto, length values [pt, in, cm, px]
top	The top position of an element auto, length values [pt, in, cm, px]
position	static, relative, absolute
z-index	Above or below overlapping elements auto, integer [higher numbers on top]

Background

background-color	Colour of background
background-image	Background image
background-repeat	repeat, no-repeat, repeat-x, repeat-y
background-attachment	Background image scrolls with element scroll, fixed
background-position	(x y), top, center, bottom, left, right

List

list-style-type	Type of bullet or numbering in the list disc; circle; square; decimal; lower-roman; upper-roman; lower-alpha; upper-alpha; none
list-style-position	Position of the bullet or number in a list inside; outside
list-style-image	Image to be used as the bullet in the list

Shorthand

background
border
border-bottom
border-left
border-right
border-top
font
list-style
margin
padding

Comments

```
/* Comments */
```

Pseudo Selectors

:hover
:active
:focus
:link
:visited
:first-line
:first-letter

Media Types

all
braille
embossed
handheld
print
projection
screen
speech
tty
tv

Units

Length
%
em
pt
px
Keywords
bolder
lighter
larger

BOX MODEL	
margin-top, margin-right, margin-bottom, margin-left	§ 8.3
Value: <length> <percentage> auto inherit	
Default: 0	
margin	§ 8.3
Value: (<length> <percentage> auto){1,4} inherit	
Default: not defined for shorthand properties	
padding-top, padding-right, padding-bottom, padding-left	§ 8.4
Value: <length> <percentage> inherit	
Default: 0	
padding	§ 8.4
Value: (<length> <percentage>){1,4} inherit	
Default: not defined for shorthand properties	
border-top-width, border-right-width, border-bottom-width, border-left-width	§ 8.5.1
Value: thin medium thick <length> inherit	
border-width	§ 8.5.1
Value: (thin medium thick <length>){1,4} inherit	
Default: see individual properties	
border-top-color, border-right-color, border-bottom-color, border-left-color	§ 8.5.2
Value: <color> inherit	
Default: the value of the 'color' property	
border-color	§ 8.5.2
Value: <color>{1,4} transparent inherit	
Default: see individual properties	
border-top-style, border-right-style, border-bottom-style, border-left-style	§ 8.5.3
Value: none hidden dotted dashed solid double groove ridge inset outset inherit	
border-style	§ 8.5.3
Value: (none hidden dotted dashed solid double groove ridge inset outset){1,4} inherit	
Default: see individual properties	
border-top, border-right, border-bottom, border-left	§ 8.5.4
Value: [<border-top-width> <border-style> <color>] inherit	
Default: see individual properties	
border	§ 8.5.4
Value: [<border-width> <border-style> <color>] inherit	
Default: see individual properties	
VISUAL FORMATTING MODEL	
display	9.2.5
Value: inline block list-item run-in compact marker table inline-table table-row-group table-header-group table-footer-group table-row table-column-group table-column table-cell table-caption none inherit	
position	9.3.1
Value: static relative absolute fixed inherit	
top, right, bottom, left	9.3.2
Value: <length> <percentage> auto inherit	
float	9.5.1
Value: left right none inherit	
clear	9.5.2
Value: none left right both inherit	
z-index	9.9.1
Value: auto <integer> inherit	

direction	9.10		
Value: ltr rtl inherit			
unicode-bidi	9.10		
Value: normal embed bidi-override inherit			
VISUAL FORMATTING MODEL DETAILS			
width	10.2	height	10.5
Value: <length> <percentage> auto inherit		Value: <length> <percentage> auto inherit	
min-width	10.4	min-height	10.7
Value: <length> <percentage> inherit		Value: <length> <percentage> inherit	
Default: UA dependent		Default: 0	
max-width	10.4	max-height	10.7
Value: <length> <percentage> none inherit		Value: <length> <percentage> none inherit	
line-height	10.8.1		
Value: normal <number> <length> <percentage> inherit			
vertical-align	10.8.1		
Value: baseline sub super top text-top middle bottom text-bottom <percentage> <length> inherit			
VISUAL EFFECTS			
overflow	11.1.1		
Value: visible hidden scroll auto inherit			
clip	11.1.2		
Value: rect(<top> <right> <bottom> <left>) auto inherit			
visibility	11.2		
Value: visible hidden collapse inherit			
GENERATED CONTENT, AUTOMATIC NUMBERING, AND LISTS			
content	12.2		
Value: [<string> <uri> <counter> attr(X) open-quote close-quote no-open-quote no-close-quote]+ inherit			
Default: empty string			
quotes	12.4.1		
Value: [<string> <string>]+ none inherit			
Default: depends on user agent			
counter-reset, counter-increment	12.5		
Value: [<identifier> <integer>?]+ none inherit			
marker-offset	12.6.1		
Value: <length> auto inherit			
list-style-type	12.6.2		
Value: disc circle square decimal decimal-leading-zero lower-roman upper-roman lower-greek lower-alpha lower-latin upper-alpha upper-latin hebrew armenian georgian cjk-ideographic hiragana katakana hiragana-iroha katakana-iroha none inherit			
list-style-image	12.6.2	list-style-position	12.6.2
Value: <uri> none inherit		Value: inside outside inherit	
list-style	12.6.2		
Value: [<'list-style-type'> <'list-style-position'> <'list-style-image'>] inherit			
Default: not defined for shorthand			
PAGED MEDIA			
Size	13.2.2		
Value: <length>{1,2} auto portrait landscape inherit			

marks			13.2.3
Value: [crop cross] none inherit			
page-break-before, page-break-after			13.3
Value: auto always avoid left right inherit			
page-break-inside			13.3
Value: avoid auto inherit			
page	13.3.2	orphans, widows	13.3.3
Value: <identifier> auto		Value: <integer> inherit	
		Default: 2	
COLORS AND BACKGROUNDS			
color	14.1	background-image	14.2.1
Value: <color> inherit		Value: <uri> none inherit	
Default: depends on user agent		background-attachment	
background-color		14.2.1	
Value: <color> transparent inherit		Value: scroll fixed inherit	
background-repeat		14.2.1	
Value: repeat repeat-x repeat-y no-repeat inherit			
background-position			14.2.1
Value: [[<percentage> <length>]{1,2} [[top center bottom] [left center right]]] inherit			
Default: 0% 0%			
background			14.2.1
Value: [<background-color> <background-image> <background-repeat> <background-attachment> <background-position>] inherit			
Default: not defined for shorthand properties			
FONTS			
font-family			15.2.2
Value: [[<family-name> (serif sans-serif cursive fantasy monospace)],]* [<family-name> (serif sans-serif cursive fantasy monospace)] inherit			
Default: depends on user agent			
font-style	15.2.3	font-variant	15.2.3
Value: normal italic oblique inherit		Value: normal small-caps inherit	
font-weight			15.2.3
Value: normal bold bolder lighter 100 200 300 400 500 600 700 800 900 inherit			
font-stretch			15.2.3
Value: normal wider narrower ultra-condensed extra-condensed condensed semi-condensed semi-expanded expanded extra-expanded ultra-expanded inherit			
font-size			15.2.4
Value: [xx-small x-small small medium large x-large xx-large] [larger smaller] <length> <percentage> inherit			
font-size-adjust			15.2.4
Value: <number> none inherit			
Font			15.2.5
Value: [[<font-style> <font-variant> <font-weight>]? <font-size> [/ <line-height>]? <font-family>] caption icon menu message-box small-caption status-bar inherit			
Default: see individual properties			

TEXT	
text-indent	16.1
<i>Value:</i> <length> <percentage> inherit <i>Default:</i> 0	
text-align	16.2
<i>Value:</i> left right center justify <string> inherit <i>Default:</i> depends on user agent and writing direction	
text-decoration	16.3
<i>Value:</i> none [underline overline line-through blink] inherit	
text-shadow	16.3.2
<i>Value:</i> none [<color> <length> <length> <length>? ,]* [<color> <length> <length> <length>?] inherit	
letter-spacing	16.4
<i>Value:</i> normal <length> inherit	
word-spacing	16.4
<i>Value:</i> normal <length> inherit	
text-transform	16.5
<i>Value:</i> capitalize uppercase lowercase none inherit	
white-space	16.6
<i>Value:</i> normal pre nowrap inherit	
TABLES	
caption-side	17.4.1
<i>Value:</i> top bottom left right inherit	
table-layout	17.5.2
<i>Value:</i> auto fixed inherit	
border-collapse	17.6
<i>Value:</i> collapse separate inherit	
border-spacing	17.6.1
<i>Value:</i> <length> <length>? inherit <i>Default:</i> 0	
empty-cells	17.6.1
<i>Value:</i> show hide inherit	
speak-header	17.7.1
<i>Value:</i> once always inherit	
USER INTERFACE	
cursor	18.1
<i>Value:</i> [[<uri> ,]* [auto crosshair default pointer move e-resize ne-resize nw-resize n-resize se-resize sw-resize s-resize w-resize text wait help]] inherit	
outline	18.4
<i>Value:</i> [<'outline-color'> <'outline-style'> <'outline-width'>] inherit <i>Default:</i> see individual properties	
outline-width	18.4
<i>Value:</i> <border-width> inherit <i>Default:</i> medium	
outline-style	18.4
<i>Value:</i> <border-style> inherit <i>Default:</i> none	
outline-color	18.4
<i>Value:</i> <color> invert inherit	
AURAL STYLE SHEETS	
volume	19.2
<i>Value:</i> <number> <percentage> silent x-soft soft medium loud x-loud inherit	
speak	19.3
<i>Value:</i> normal none spell-out inherit	
pause-before, pause-after	19.4
<i>Value:</i> <time> <percentage> inherit <i>Default:</i> depends on user agent	
pause	19.4
<i>Value:</i> [[<time> <percentage>]{1,2}] inherit <i>Default:</i> depends on user agent	
cue-before	19.5
<i>Value:</i> <uri> none inherit	

cue	19.5
<i>Value:</i> [<'cue-before'> <'cue-after'>] inherit <i>Default:</i> not defined for shorthand properties	
play-during	19.6
<i>Default:</i> <uri> mix? repeat? auto none inherit	
azimuth	19.7
<i>Value:</i> <angle> [[left-side far-left left center-left center center-right right far-right right-side] behind] leftwards rightwards inherit	
elevation	19.7
<i>Value:</i> <angle> below level above higher lower inherit	
speech-rate	19.8
<i>Value:</i> <number> x-slow slow medium fast x-fast faster slower inherit	
voice-family	19.8
<i>Value:</i> [[<specific-voice> <generic-voice>],]* [<specific-voice> <generic-voice>] inherit <i>Default:</i> depends on user agent	
pitch	19.8
<i>Default:</i> <frequency> x-low low medium high x-high inherit	
pitch-range, stress, richness	19.8
<i>Value:</i> <number> inherit <i>Default:</i> 50	
UNITS	
Relative Length Units	4.3.2
em, ex, px	
Absolute Length Units	4.3.2
in, cm, mm, pt, pc	
Angle	4.3.7
deg, grad, rad	
Times	4.3.8
ms, s	
Frequencies	4.3.9
Hz, kHz	
Color Units	4.3.6
#f00, #ff0000, rgb(255,0,0), rgb(100%, 0%, 0%)	
PSEUDO CLASSES, PSEUDO ELEMENTS AND MEDIA TYPES	
Anchor Pseudo Classes	Media Types
a:link /* unvisited link */ a:visited /* visited links */ a:active /* active links */	
Typographic Pseudo Elements	
p:first-line /* first line of p element */ p:first-letter /* first letter of p element */ p:before /* content before p in document tree */ p:after /* content after p in document tree */ @page:left /* left page margin properties */ @page:right /* right page margin properties */	
all, aural, braille, embossed, handheld, print, projection, screen, tty, tv	
CSS SAMPLES	
h1 { font-family: Times; } /* all h1 elements */ h1, h2 { font-width: bold; } /* all h1 and h2 elements */ h1 em { color: red; } /* em elements within h1 elements */ .para { font-family: Arial; } /* all elements with class='para' */ #p4 { letter-spacing: 12px; } /* the element with id='p4' */ @page:left { margin: 2cm } /* margin for media type 'page' */ @import "list.css"; /* import from file 'list.css' */	
NOTATION	
a b a followed by b [a b] Grouping of a and b a b a or b a b either a or b or both in any order a? a is optional a* zero or more occurrences of a a+ one or more occurrences of a a{1, 4} a occurs at least once and at most 4 times	



QUICK REFERENCE

Cascading Style Sheets (CSS) Level 2

W3C Recommendation
12-May-1998

<http://www.w3.org/TR/REC-CSS2/>

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