Cascading Style Sheets (CSS 3)

BACKGROUND

Property	Values
background	*background-image* *background-position* *background-size* *background-repeat* *background-attachment* *background-origin* *background-clip* *background-color*
background-attachment	scroll | fixed
background-break	bounding-box | each-box | continuous
background-clip	*length* % border-box | padding-box | content-box | no-clip
background-color	*color* transparent
background-image	*url* none
background-origin	border-box | padding-box | content-box
background-position	top left | top center | top right | center left | center center | center right | bottom left | bottom center | bottom right *x-% y-%* *x-pos y-pos*
background-repeat	repeat | repeat-x | repeat-y | no-repeat
background-size	*length* % auto | cover | contain

BORDER

Property	Values
border	*border-width* *border-style* *border-color*
border-break	*border-width* *border-style* *color* close
border-bottom	*border-bottom-width* *border-style* *border-color*
border-bottom-color	*border-color*
border-bottom-style	*border-style*
border-bottom-width	thin | medium | thick *length*
border-collapse	collapse | separate
border-color	*color*
border-image	*image* [*number / %* *border-width* stretch | repeat | round] none
border-left	*border-left-width* *border-style* *border-color*
border-left-color	*border-color*
border-left-style	*border-style*
border-left-width	thin | medium | thick *length*
border-right	*border-right-width* *border-style* *border-color*
border-right-color	*border-color*
border-right-style	*border-style*
border-right-width	thin | medium | thick *length*

BORDER

Property	Values
border-top	*border-top-width* *border-style* *border-color*
border-top-color	*border-color*
border-top-style	*border-style*
border-top-width	thin | medium | thick *length*
border-width	thin | medium | thick *length*
border-radius	*border-top-right-radius* *border-bottom-right-radius* *border-bottom-left-radius* *border-top-left-radius*
border-top-right-radius	*length*
border-bottom-right-radius	*length*
border-bottom-left-radius	*length*
border-top-left-radius	*length*
box-shadow	inset || [*length, length, length, length* || *<color>*] none
border-style	none | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset

FONT

Property	Values
font	*font-style* *font-variant* *font-weight* *font-size/line-height* *font-family* caption | icon | menu | message-box | small-caption | status-bar
font-family	*family-name* *generic-family* inherit
font-size	xx-small | x-small | small | medium | large | x-large | xx-large | smaller | larger | inherit *length* %
font-size-adjust	none| inherit *number*
font-stretch	normal | wider | narrower | ultra-condensed | extra-condensed | condensed | semi-condensed | semi-expanded | expanded | extra-expanded | ultra-expanded | inherit
font-style	normal | italic | oblique | inherit
font-variant	normal | small-caps | inherit
font-weight	normal | bold | bolder | lighter | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | inherit

BOX MODEL

Property	Values
clear	left | right | both | none
display	none | inline | block | inline-block | list-item | run-in | compact | table | inline-table | table-row-group | table-header-group | table-footer-group | table-row | table-column-group | table-column | table-cell | table-caption | ruby | ruby-base | ruby-text | ruby-base-group | ruby-text-group

BOX MODEL

Property	Values
float	left | right | none
height	auto *length* %
max-height	none *length* %
max-width	none *length* %
min-height	none | inherit *length* %
min-width	none | inherit *length* %
width	auto % *length*
margin	*margin-top* *margin-right* *margin-bottom* *margin-left*
margin-bottom	auto *length* %
margin-left	auto *length* %
margin-right	auto *length* %
margin-top	auto *length* %
padding	*padding-top* *padding-right* *padding-bottom* *padding-left*
padding-bottom	*length* %
padding-left	*length* %
padding-right	*length* %
padding-top	*length* %
marquee-direction	forward | reverse
marquee-loop	infinite *number*
marquee-play-count	infinite *integer*
marquee-speed	slow | normal | fast
marquee-style	scroll | slide | alternate
overflow	visible | hidden | scroll | auto | no-display | no-content *overflow-x* *overflow-y*
overflow-style	auto | marquee-line | marquee-block
overflow-x	visible | hidden | scroll | auto | no-display | no-content
overflow-y	visible | hidden | scroll | auto | no-display | no-content
rotation	*angle*
rotation-point	*position (paired value offset)*
visibility	visible | hidden | collapse

Cascading Style Sheets (CSS 3)

TEXT

direction	ltr | rtl | inherit
hanging-punctuation	none | [start | end | end-edge]
letter-spacing	normal *length* *%*
punctuation-trim	none | [start | end | adjacent]
text-align	start | end | left | right | center | justify
text-align-last	start | end | left | right | center | justify
text-decoration	none | underline | overline | line-through | blink
text-emphasis	none | [[accent | dot | circle | disc] [before | after]?]
text-indent	*length* *%*
text-justify	auto | inter-word | inter-ideograph | inter-cluster | distribute | kashida | tibetan
text-outline	none *color* *length*
text-shadow	none *color* *length*
text-transform	none | capitalize | uppercase | lowercase
text-wrap	normal | unrestricted | none | suppress
unicode-bidi	normal | embed | bidi-override
white-space	normal | pre | nowrap | pre-wrap | pre-line
white-space-collapse	preserve | collapse | preserve-breaks | discard
word-break	normal | keep-all | loose | break-strict | break-all
word-spacing	normal *length* *%*
word-wrap	normal | break-word

COLUMN

column-count	auto *number*
column-fill	auto | balance
column-gap	normal *length*
column-rule	*column-rule-width* *column-rule-style* *column-rule-color*
column-rule-color	*color*
column-rule-style	*border-style*
column-rule-width	thin | medium | thick *length*
columns	*column-width* *column-count*
column-span	1 | all
column-width	auto *length*

COLOR

color	inherit *color*
opacity	inherit *number*

FLEXIBLE BOX LAYOUT

box-align	start | end | center | baseline | stretch
box-direction	normal | reverse | inherit
box-flex	*number*
box-flex-group	*integer*
box-lines	single | multiple
box-ordinal-group	*integer*
box-orient	horizontal | vertical | inline-axis | block-axis | inherit
box-pack	start | end | center | justify
box-sizing	content-box | padding-box | border-box | margin-box
tab-side	top | bottom | left | right

TABLE

border-collapse	collapse | separate
border-spacing	*length length*
caption-side	top | bottom | left | right
empty-cells	show | hide
table-layout	auto | fixed

SPEECH

cue	*cue-before* *cue-after*
cue-before	*uri* [silent | x-soft | soft | medium | loud | x-loud] | none | inherit] *number* *%*
cue-after	*uri* [silent | x-soft | soft | medium | loud | x-loud] | none | inherit] *number* *%*
mark	*mark-before* *mark-after*
mark-before	*string*
mark-after	*string*
pause	*pause-before* *pause-after*
pause-before	none | x-weak | weak | medium | strong | x-strong | inherit *time*
pause-after	none | x-weak | weak | medium | strong | x-strong | inherit *time*
phonemes	*string*
rest	*rest-before* *rest-after*
rest-before	none | x-weak | weak | medium | strong | x-strong | inherit *time*
rest-after	none | x-weak | weak | medium | strong | x-strong | inherit *time*
speak	none | normal | spell-out | digits | literal-punctuation | no-punctuation | inherit
voice-balance	left | center | right | left-wards | rightwards | inherit *number*
voice-duration	*time*

SPEECH

voice-family	inherit | [<specific-voice, age, generic-voice, number>]
voice-rate	x-slow | slow | medium | fast | x-fast | inherit *%*
voice-pitch	x-low | low | medium | high | x-high | inherit *number* *%*
voice-pitch-range	x-low | low | medium | high | x-high | inherit *number*
voice-stress	strong | moderate | none | reduced | inherit
voice-volume	silent | x-soft | soft | medium | loud | x-loud | inherit *number* *%*

LIST & MARKERS

list-style	*list-style-type* *list-style-position* *list-style-image*
list-style-image	none *url*
list-style-position	Inside | outside
list-style-type	none | asterisks | box | check | circle | diamond | disc | hyphen | square | decimal | decimal-leading-zero | lower-roman | upper-roman | lower-alpha | upper-alpha | lower-greek | lower-latin | upper-latin | hebrew | armenian | georgian | cjk-ideographic | hiragana | katakana | hiragana-iroha | katakana-iroha
marker-offset	auto *length*

ANIMATIONS

animation	*animation-name* *animation-duration* *animation-timing-function* *animation-delay* *animation-iteration-count* *animation-direction*
animation-delay	*time*
animation-direction	normal | alternate
animation-duration	*time*
animation-iteration-count	inherit *number*
animation-name	none | IDENT
animation-play-state	running | paused
animation-timing-function	ease | linear | ease-in | ease-out | ease-in-out | cubic-Bezier (*number, number, number, number*)

TRANSITIONS

transition	*transition-property* *transition-duration* *transition-timing-function* *transition-delay*
transition-delay	*time*
transition-duration	*time*
transition-property	none | all
transition-timing-function	ease | linear | ease-in | ease-out | ease-in-out | cubic-Bezier (*number, number, number, number*)

Cascading Style Sheets (CSS 3)

GRID POSITIONING

grid-columns	none | inherit *[length percentage relative length]*
grid-rows	none | inherit *[length percentage relative length]*

OUTLINE

outline	*outline-color* *outline-style* *outline-width*
outline-color	*color* invert
outline-offset	inherit *length*
outline-style	None | dotted | dashed | solid | double | groove | ridge | inset | outset
outline-width	thin | medium | thick *length*

3D / 2D TRANSFORM

backface-visibility	visible | hidden
perspective	none *number*
perspective-origin	*[[[percentage] | <length> | left | center | right] [<percentage> | <length> | top | center | bottom]?] <length>] | [[[left | center | right] || [top | center | bottom]] <length>]*
transform	none | matrix | matrix3d | translate3d | translateX | translateY | translateZ | scale | scale3d | scaleX | scaleY | scaleZ | rotate | rotate3d | rotateX | rotateY | rotateZ | skewX | skewY | skew | perspective
transform-origin	*[[[<percentage> | <length> | left | center | right] [<percentage> | <length> | top | center | bottom]?] <length>] | [[[left | center | right] || [top | center | bottom]] <length>]*
transform-style	flat | preserve-3d

GENERATED CONTENT

bookmark-label	content *attr* *string*
bookmark-level	none *integer*
bookmark-target	self *uri* *attr*
border-length	auto *length*
content	normal | none | inhibit *uri*
counter-increment	none *identifier number*
counter-reset	none *identifier number*
crop	auto *shape*
display	normal | none | list-item
float-offset	*length length*

GENERATED CONTENT

hyphenate-after	auto *integer*
hyphenate-before	auto *integer*
hyphenate-character	auto *string*
hyphenate-lines	no-limit *integer*
hyphenate-resource	none *uri*
hyphens	none | manual | auto
image-resolution	normal | auto *dpi*
marks	[crop || cross] | none
move-to	normal | here *identifier*
page-policy	start | first | last
quotes	none *string string string string*
string-set	*identifier* *content-list*
text-replace	none *[<string> <string>]+*

LINE BOX

alignment-adjust	auto | baseline | before-edge | text-before-edge | middle | central | after-edge | text-after-edge | ideo-graphic | alphabetic | hang-ing | mathematical *length* *%*
alignment-baseline	baseline | use-script | be-fore-edge | text-before-edge | after-edge | text-after-edge | central | middle | ideographic | alphabetic | hanging | mathematical
baseline-shift	baseline | sub | super *length* *%*
dominant-baseline	auto | use-script | no-change | reset-size | alpha-betic | hanging | ideo-graphic | mathematical | central | middle | text-after-edge | text-before-edge
drop-initial-after-align	*alignment-baseline*
drop-initial-after-adjust	central | middle | after-edge | text-after-edge | ideo-graphic | alphabetic | mathematical *length* *%*
drop-initial-before-align	caps-height *alignment-baseline*
drop-initial-before-adjust	before-edge | text-before-edge | central | middle | hanging | mathematical *length* *%*
drop-initial-value	initial *integer*
drop-initial-size	auto *integer* *%* *line*
inline-box-align	initial | last *integer*

LINE BOX

line-height	normal *number* *length* *%*
line-stacking	*line-stacking-strategy* *line-stacking-ruby* *line-stacking-shift*
line-stacking-strategy	inline-line-height | block-line-height | max-height | grid-height
line-stacking-ruby	exclude-ruby | include-ruby
line-stacking-shift	consider-shifts | disregard-shifts
text-height	auto | font-size | text-size | max-size
vertical-align	Baseline | sub | super | top | text-top | middle | bottom | text-bottom *length* *%*

HYPERLINK

target	*target-name* *target-new* *target-position*
target-name	current | root | parent | new | modal *string*
target-new	window | tab | none
target-position	above | behind | front | back

POSITIONING

bottom	auto *%* *length*
clip	*shape* auto
left	auto *%* *length*
position	static | relative | absolute | fixed
right	auto *%* *length*
top	auto *%* *length*
z-index	auto *number*

RUBY

ruby-align	auto | start | left | center | end | right | distribute-letter | distribute-space | line-edge
ruby-overhang	auto | start | end | none
ruby-position	before | after | right | inline
ruby-span	attr(x) | none

Cascading Style Sheets (CSS 3)

PAGED MEDIA	
fit	fill | hidden | meet | slice
fit-position	[top | center | bottom] || [left | center | right] *length* *%*
image-orientation	auto *angle*
orphans	*integer*
page	auto *identifier*
page-break-after	auto | always | avoid | left | right
page-break-before	auto | always | avoid | left | right
page-break-inside	auto | avoid
size	auto | landscape | portrait *length*
windows	*integer*
UI	
appearance	normal | inherit | [icon | window | desktop | work-space | document | tooltip | dialog | button | push-button | hyperlink | radio-button | checkbox | menu-item | tab | menu | menubar | pull-down-menu | pop-up-menu | list-menu | radio-group | checkbox-group | outline-tree | range | field | combo-box | signa-ture | password]
cursor	auto | crosshair | default | pointer | move | e-resize | ne-resize | nw-resize | n-resize | se-resize | sw-resize | s-resize | w-resize | text | wait | help *url*
icon	auto | inherit *url*
nav-index	auto | inherit *number*
nav-up	auto | inherit *<id> [current | root | <target-name>]*
nav-right	auto | inherit *<id> [current | root | <target-name>]*
nav-down	auto | inherit *<id> [current | root | <target-name>]*
nav-left	auto | inherit *<id> [current | root | <target-name>]*
resize	none | both | horizontal | vertical | inherit

- Values in italics are place holders for an actual value (like 1px, 1em, 1%), values in normal text are values that can be used as the actual value
- CSS Properties in **Dark Red** are shorthand properties and each value must be defined. The exception is where the property can define from one to four of the sides of a box element property (Top-Right-Bottom-Left) - i.e. border-width

Cascading Style Sheets (CSS 3)

PSEUDO-CLASS

:active	an activated element
:focus	an element while the element has focus
:visited	a visited link
:hover	an element when you mouse over it
:link	an unvisited link
:disabled	an element while the element is disabled
:enabled	an element while the element is enabled
:checked	an element (form element control) that is checked
:selection	an element that is currently selected of highlighted by the user
:lang	Allows the author to specify a language to use in a specified element
:nth-child(n)	an element that is the n-th sibling
:nth-last-child(n)	an element that is the n-th sibling counting from the last sibling
:first-child	an element that is the first sibling
:last-child	an element that is the last sibling
:only-child	an element that is the only child
:nth-of-type(n)	an element that is the n-th sibling of its type.
:nth-last-of-type(n)	an element that is the n-th sibling of its type counting from the last sibling
:last-of-type	an element that is the first sibling of its type
:first-of-type	an element that is the last sibling of its type
:only-of-type	an element that is the only child of that type
:empty	an element that has no children
:root	root element within the document
:not(x)	an element not represented by the argument 'x'
:target	a target element as specified by a target in a URI

PSEUDO-ELEMENT

::first-letter	Adds special style to the first letter of a text
::first-line	Adds special style to the first line of a text
::before	Inserts some content before an element
::after	Inserts some content after an element

UNITS

ABSOLUTE MEASUREMENT

%	percentage
cm	centimeter
in	inch
mm	millimeter
pc	pica (1p = 12 points)
pt	point (1pt = 1/72 inch)

RELATIVE MEASUREMENT

ch	width of the "0" glyph found in the font for the font size used to render
em	1em = current font size of current element
ex	x-height of the element's font
gd	the grid defined by 'layout-grid'
px	pixel of the viewing device
rem	the font size of the root element
vh	the viewport's height
vw	the viewport's width
vm	viewport's height or width, whichever is smaller of the two

ANGLES

deg	degrees
grad	grads
rad	radians
turn	turns

TIME

ms	milli-seconds
s	seconds

FREQUENCY

Hz	hertz
kHz	kilo-hertz

COLORS

color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
rgb(x%,y%,z%)	red = rgb(100%,0,0)
rgba(x,y,z, alpha)	red = rgba(255,0,0)
#rrggbb	red = #ff0000 (or shorthand = #f00)
hsl(hue, saturation, lightness)	red = hsl(0, 100%, 50%)
hsla(hue, saturation, lightness, alpha)	red = hsl(0, 100%, 50%)
flavor	An accent color (typically chosen by the user) to customize the user interface of the user agent itsel
currentColor	computed value of the 'currentColor' keyword is the computed value of the 'color'

SELECTOR TYPES

Name	Info	Example
Universal	Any element	* { font: 10px Arial; }
Type	Any element of that type	h1 { text-decoration: underline; }
Grouping	Multiple elements of different types	h1, h2, h3 { font-family: Verdana; }
Class	Multiple elements of different types when you don't want to affect all instances of that type	.sampleclass { text-decoration: underline; }
Id	A single element type when you don't want to affect all instances of that type	#sampleid { text-decoration: underline; }
Descendant	An element that is below (in the document tree) another element—no matter how many levels below	#gallery h1 { text-decoration: underline; }
Child	An element that is directly below (in the document tree) another element	#title > p { font-weight: bold; }
Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	h1 + p { font-style: italic; }
General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	h1 ~ p { font-style: italic; }
Attribute	An element with that matches the attribute listed	E[selected] - att whatever the value E[att="val"] - att with a specific value E[rel~="next"] - att with a value is a whitespace separated list *[lang|="en"] - att value either being exactly "val" or beginning with "val" immediately followed by "-" E[att^="val"] - att value that begins with the prefix "val" E[att$="val"] - att value that end with the suffix "val" E[att*="val"] - att value contains at least one instance of the substring "val"