

Cascading Style Sheets (CSS 3)

BACKGROUND	
background	<i>background-image</i> <i>background-position</i> <i>background-size</i> <i>background-repeat</i> <i>background-attachment</i> <i>background-origin</i> <i>background-clip</i> <i>background-color</i>
background-attachment	scroll fixed
background-break	bounding-box each-box continuous
background-clip	<i>length</i> % border-box padding-box content-box no-clip
background-color	<i>color</i> transparent
background-image	<i>url</i> 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 <i>x-% y-%</i> <i>x-pos y-pos</i>
background-repeat	repeat repeat-x repeat-y no-repeat
background-size	<i>length</i> % auto cover contain

BORDER	
border	<i>border-width</i> <i>border-style</i> <i>border-color</i>
border-break	<i>border-width</i> <i>border-style</i> <i>color</i> close
border-bottom	<i>border-bottom-width</i> <i>border-style</i> <i>border-color</i>
border-bottom-color	<i>border-color</i>
border-bottom-style	<i>border-style</i>
border-bottom-width	thin medium thick <i>length</i>
border-collapse	collapse separate
border-color	<i>color</i>
border-image	<i>image</i> [<i>number</i> / % <i>border-width</i> stretch repeat round] none
border-left	<i>border-left-width</i> <i>border-style</i> <i>border-color</i>
border-left-color	<i>border-color</i>
border-left-style	<i>border-style</i>
border-left-width	thin medium thick <i>length</i>
border-right	<i>border-right-width</i> <i>border-style</i> <i>border-color</i>
border-right-color	<i>border-color</i>
border-right-style	<i>border-style</i>
border-right-width	thin medium thick <i>length</i>

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

FONT	
font	<i>font-style</i> <i>font-variant</i> <i>font-weight</i> <i>font-size/line-height</i> <i>font-family</i> caption icon menu message-box small-caption status-bar
font-family	<i>family-name</i> <i>generic-family</i> inherit
font-size	xx-small x-small small medium large x-large xx-large smaller larger inherit <i>length</i> %
font-size-adjust	none inherit <i>number</i>
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	
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	
float	left right none
height	auto <i>length</i> %
max-height	none <i>length</i> %
max-width	none <i>length</i> %
min-height	none inherit <i>length</i> %
min-width	none inherit <i>length</i> %
width	auto % <i>length</i>
margin	<i>margin-top</i> <i>margin-right</i> <i>margin-bottom</i> <i>margin-left</i>
margin-bottom	auto <i>length</i> %
margin-left	auto <i>length</i> %
margin-right	auto <i>length</i> %
margin-top	auto <i>length</i> %
padding	<i>padding-top</i> <i>padding-right</i> <i>padding-bottom</i> <i>padding-left</i>
padding-bottom	<i>length</i> %
padding-left	<i>length</i> %
padding-right	<i>length</i> %
padding-top	<i>length</i> %
marquee-direction	forward reverse
marquee-loop	infinite <i>number</i>
marquee-play-count	infinite <i>integer</i>
marquee-speed	slow normal fast
marquee-style	scroll slide alternate
overflow	visible hidden scroll auto no-display no-content <i>overflow-x</i> <i>overflow-y</i>
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	<i>angle</i>
rotation-point	<i>position</i> (<i>paired value offset</i>)
visibility	visible hidden collapse

Cascading Style Sheets (CSS 3)

TEXT	
direction	ltr rtl inherit
hanging-punctuation	none [start end end-edge]
letter-spacing	normal <i>length</i> %
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	<i>length</i> %
text-justify	auto inter-word inter-ideograph inter-cluster distribute kashida tibetan
text-outline	none <i>color</i> <i>length</i>
text-shadow	none <i>color</i> <i>length</i>
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 <i>length</i> %
word-wrap	normal break-word
COLUMN	
column-count	auto <i>number</i>
column-fill	auto balance
column-gap	normal <i>length</i>
column-rule	<i>column-rule-width</i> <i>column-rule-style</i> <i>column-rule-color</i>
column-rule-color	<i>color</i>
column-rule-style	<i>border-style</i>
column-rule-width	thin medium thick <i>length</i>
columns	<i>column-width</i> <i>column-count</i>
column-span	1 all
column-width	auto <i>length</i>
COLOR	
color	inherit <i>color</i>
opacity	inherit <i>number</i>

TEMPLATE LAYOUT	
box-align	start end center base-
box-direction	normal reverse
box-flex	<i>number</i>
box-flex-group	<i>integer</i>
box-lines	single multiple
box-orient	horizontal vertical inline-axis block-axis
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	<i>length</i> <i>length</i>
caption-side	top bottom left right
empty-cells	show hide
table-layout	auto fixed
SPEECH	
cue	<i>cue-before</i> <i>cue-after</i>
cue-before	<i>uri</i> [silent x-soft soft medium loud x-loud] none inherit] <i>number</i> %
cue-after	<i>uri</i> [silent x-soft soft medium loud x-loud] none inherit] <i>number</i> %
mark	<i>mark-before</i> <i>mark-after</i>
mark-before	<i>string</i>
mark-after	<i>string</i>
pause	<i>pause-before</i> <i>pause-after</i>
pause-before	none x-weak weak medium strong x-strong inherit <i>time</i>
pause-after	none x-weak weak medium strong x-strong inherit <i>time</i>
phonemes	<i>string</i>
rest	<i>rest-before</i> <i>rest-after</i>
rest-before	none x-weak weak medium strong x-strong inherit <i>time</i>
rest-after	none x-weak weak medium strong x-strong inherit <i>time</i>
speak	none normal spell-out digits literal-punctuation no-punctuation inherit
voice-balance	left center right leftwards rightwards inherit <i>number</i>
voice-duration	<i>time</i>

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 <i>number</i> %
voice-pitch-range	x-low low medium high x-high inherit <i>number</i>
voice-stress	strong moderate none reduced inherit
voice-volume	silent x-soft soft medium loud x-loud inherit <i>number</i> %
LIST & MARKERS	
list-style	<i>list-style-type</i> <i>list-style-position</i> <i>list-style-image</i>
list-style-image	none <i>url</i>
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 footnotes
marker-offset	auto <i>length</i>
ANIMATIONS	
animation	<i>animation-name</i> <i>animation-duration</i> <i>animation-timing-function</i> <i>animation-delay</i> <i>animation-iteration-count</i> <i>animation-direction</i>
animation-delay	<i>time</i>
animation-direction	normal alternate
animation-duration	<i>time</i>
animation-iteration-count	inherit <i>number</i>
animation-name	none IDENT
animation-play-state	running paused
animation-timing-function	ease linear ease-in ease-out ease-in-out cubic-Bezier (<i>number</i> , <i>number</i> , <i>number</i>)
TRANSITIONS	
transition	<i>transition-property</i> <i>transition-duration</i> <i>transition-timing-function</i> <i>transition-delay</i>
transition-delay	<i>time</i>
transition-duration	<i>time</i>
transition-property	none all
transition-timing-function	ease linear ease-in ease-out ease-in-out cubic-Bezier (<i>number</i> , <i>number</i> , <i>number</i>)

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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 ideographic alphabetic hanging mathematical length %
alignment-baseline	baseline use-script before-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 alphabetic hanging ideographic 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 ideographic 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] <i>length</i> %
image-orientation	auto <i>angle</i>
orphans	<i>integer</i>
page	auto <i>identifier</i>
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 <i>length</i>
windows	<i>integer</i>
UI	
appearance	normal inherit [icon window desktop workspace 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 signature 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 <i>url</i>
icon	auto inherit <i>url</i>
nav-index	auto inherit <i>number</i>
nav-up	auto inherit <id> [<i>current</i> <i>root</i> <target-name>]
nav-right	auto inherit <id> [<i>current</i> <i>root</i> <target-name>]
nav-down	auto inherit <id> [<i>current</i> <i>root</i> <target-name>]
nav-left	auto inherit <id> [<i>current</i> <i>root</i> <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

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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 itself
currentColor	computed value of the 'currentColor' keyword is the computed value of the 'color' property

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"