

Cascading Style Sheets (CSS 3)

BACKGROUND		BORDER		BOX MODEL	
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>	border-top	<i>border-top-width</i> <i>border-style</i> <i>border-color</i>	float	left right none
background-attachment	scroll fixed	border-top-color	<i>border-color</i>	height	auto <i>length</i> %
background-break	bounding-box each-box continuous	border-top-style	<i>border-style</i>	max-height	none <i>length</i> %
background-clip	<i>length</i> % border-box padding-box content-box no-clip	border-top-width	thin medium thick <i>length</i>	max-width	none <i>length</i> %
background-color	<i>color</i> transparent	border-width	thin medium thick <i>length</i>	min-height	none inherit <i>length</i> %
background-image	<i>url</i> none	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>	min-width	none inherit <i>length</i> %
background-origin	border-box padding-box content-box	border-top-right-radius	<i>length</i>	width	auto % <i>length</i>
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>	border-bottom-right-radius	<i>length</i>	margin	<i>margin-top</i> <i>margin-right</i> <i>margin-bottom</i> <i>margin-left</i>
background-repeat	repeat repeat-x repeat-y no-repeat	border-bottom-left-radius	<i>length</i>	margin-bottom	auto <i>length</i> %
background-size	<i>length</i> % auto cover contain	border-top-left-radius	<i>length</i>	margin-left	auto <i>length</i> %
BORDER		FONT		margin-right	auto <i>length</i> %
border	<i>border-width</i> <i>border-style</i> <i>border-color</i>	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	margin-top	auto <i>length</i> %
border-break	<i>border-width</i> <i>border-style</i> <i>color</i> close	font-family	<i>family-name</i> <i>generic-family</i> inherit	padding	<i>padding-top</i> <i>padding-right</i> <i>padding-bottom</i> <i>padding-left</i>
border-bottom	<i>border-bottom-width</i> <i>border-style</i> <i>border-color</i>	font-size	xx-small x-small small medium large x-large xx-large smaller larger inherit <i>length</i> %	padding-bottom	<i>length</i> %
border-bottom-color	<i>border-color</i>	font-size-adjust	none inherit <i>number</i>	padding-left	<i>length</i> %
border-bottom-style	<i>border-style</i>	font-stretch	normal wider narrower ultra-condensed extra-condensed condensed semi-condensed semi-expanded expanded extra-expanded ultra-expanded inherit	padding-right	<i>length</i> %
border-bottom-width	thin medium thick <i>length</i>	font-style	normal italic oblique inherit	padding-top	<i>length</i> %
border-collapse	collapse separate	font-variant	normal small-caps inherit	marquee-direction	forward reverse
border-color	<i>color</i>	font-weight	normal bold bolder lighter 100 200 300 400 500 600 700 800 900 inherit	marquee-loop	infinite <i>number</i>
border-image	<i>image</i> [<i>number</i> / % <i>border-width</i> stretch repeat round] none	BOX MODEL		marquee-play-count	infinite <i>integer</i>
border-left	<i>border-left-width</i> <i>border-style</i> <i>border-color</i>	clear	left right both none	marquee-speed	slow normal fast
border-left-color	<i>border-color</i>	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	marquee-style	scroll slide alternate
border-left-style	<i>border-style</i>	overflow	visible hidden scroll auto no-display no-content <i>overflow-x</i> <i>overflow-y</i>	overflow-style	auto marquee-line marquee-block
border-left-width	thin medium thick <i>length</i>	overflow-x	visible hidden scroll auto no-display no-content	overflow-y	visible hidden scroll auto no-display no-content
border-right	<i>border-right-width</i> <i>border-style</i> <i>border-color</i>	rotation	<i>angle</i>	rotation-point	<i>position</i> (paired value offset)
border-right-color	<i>border-color</i>	visibility	visible hidden collapse		
border-right-style	<i>border-style</i>				
border-right-width	thin medium thick <i>length</i>				

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> , <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> , <i>number</i>)

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GRID POSITIONING	
grid-columns	none inherit [<i>length percentage relative length</i>]
grid-rows	none inherit [<i>length percentage relative length</i>]
OUTLINE	
outline	<i>outline-color</i> <i>outline-style</i> <i>outline-width</i>
outline-color	<i>color</i> invert
outline-offset	inherit <i>length</i>
outline-style	None dotted dashed solid double groove ridge inset outset
outline-width	thin medium thick <i>length</i>
3D / 2D TRANSFORM	
backface-visibility	visible hidden
perspective	none <i>number</i>
perspective-origin	[[[<i>percentage</i>] <i><length></i>] left center right] [[<i><percentage></i> <i><length></i>] top center bottom]?] <i><length></i>] [[[left center right]] [top center bottom]] <i><length></i>]
transform	none matrix matrix3d translate3d translateX translateY translateZ scale scale3d scaleX scaleY scaleZ rotate rotate3d rotateX rotateY rotateZ skewX skewY skew perspective
transform-origin	[[[<i><percentage></i>] <i><length></i>] left center right] [[<i><percentage></i> <i><length></i>] top center bottom]?] <i><length></i>] [[[left center right]] [top center bottom]] <i><length></i>]
transform-style	flat preserve-3d
GENERATED CONTENT	
bookmark-label	content <i>attr</i> <i>string</i>
bookmark-level	none <i>integer</i>
bookmark-target	self <i>uri</i> <i>attr</i>
border-length	auto <i>length</i>
content	normal none inhibit <i>uri</i>
counter-increment	none <i>identifier number</i>
counter-reset	none <i>identifier number</i>
crop	auto <i>shape</i>
display	normal none list-item
float-offset	<i>length length</i>
GENERATED CONTENT	
hyphenate-after	auto <i>integer</i>
hyphenate-before	auto <i>integer</i>
hyphenate-character	auto <i>string</i>
hyphenate-lines	no-limit <i>integer</i>
hyphenate-resource	none <i>uri</i>
hyphens	none manual auto
image-resolution	normal auto <i>dpi</i>
marks	[crop cross] none
move-to	normal here <i>identifier</i>
page-policy	start first last
quotes	none <i>string string string string</i>
string-set	<i>identifier</i> <i>content-list</i>
text-replace	none [<i><string></i> <i><string></i>]+
LINE BOX	
alignment-adjust	auto baseline before-edge text-before-edge middle central after-edge text-after-edge ideographic alphabetic hanging mathematical <i>length</i> %
alignment-baseline	baseline use-script before-edge text-before-edge text-after-edge central middle ideographic alphabetic hanging mathematical
baseline-shift	baseline sub super <i>length</i> %
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	<i>alignment-baseline</i>
drop-initial-after-adjust	central middle after-edge text-after-edge ideographic alphabetic mathematical <i>length</i> %
drop-initial-before-align	caps-height <i>alignment-baseline</i>
drop-initial-before-adjust	before-edge text-before-edge central middle hanging mathematical <i>length</i> %
drop-initial-value	initial <i>integer</i>
drop-initial-size	auto <i>integer</i> % <i>line</i>
inline-box-align	initial last <i>integer</i>
LINE BOX	
line-height	normal <i>number</i> <i>length</i> %
line-stacking	<i>line-stacking-strategy</i> <i>line-stacking-ruby</i> <i>line-stacking-shift</i>
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 <i>length</i> %
HYPERLINK	
target	<i>target-name</i> <i>target-new</i> <i>target-position</i>
target-name	current root parent new modal <i>string</i>
target-new	window tab none
target-position	above behind front back
POSITIONING	
bottom	auto % <i>length</i>
clip	<i>shape</i> auto
left	auto % <i>length</i>
position	static relative absolute fixed
right	auto % <i>length</i>
top	auto % <i>length</i>
z-index	auto <i>number</i>
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 < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-right	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-down	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
nav-left	auto inherit < <i>id</i> > [<i>current</i> <i>root</i> < <i>target-name</i> >]
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		UNITS		SELECTOR TYPES		
:active	an activated element	ABSOLUTE MEASUREMENT		Name	Info	Example
:focus	an element while the element has focus	%	percentage	Universal	Any element	* { font: 10px Arial; }
:visited	a visited link	cm	centimeter	Type	Any element of that type	h1 { text-decoration: underline; }
:hover	an element when you mouse over it	in	inch	Grouping	Multiple elements of different types	h1, h2, h3 { font-family: Verdana; }
:link	an unvisited link	mm	millimeter	Class	Multiple elements of different types when you don't want to affect all instances of that type	.sampleclass { text-decoration: underline; }
:disabled	an element while the element is disabled	pc	pica (1p = 12 points)	Id	A single element type when you don't want to affect all instances of that type	#sampleid { text-decoration: underline; }
:enabled	an element while the element is enabled	pt	point (1pt = 1/72 inch)	Descendant	An element that is below (in the document tree) another element—no matter how many levels below	#gallery h1 { text-decoration: underline; }
:checked	an element (form element control) that is checked	RELATIVE MEASUREMENT		Child	An element that is directly below (in the document tree) another element	#title > p { font-weight: bold; }
:selection	an element that is currently selected of highlighted by the user	ch	width of the "0" glyph found in the font for the font size used to render	Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	h1 + p { font-style: italic; }
:lang	Allows the author to specify a language to use in a specified element	em	1em = current font size of current element	General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	h1 ~ p { font-style: italic; }
:nth-child(n)	an element that is the n-th sibling	ex	x-height of the element's font	Attribute	An element with that matches the attribute listed	[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"
:nth-last-child(n)	an element that is the n-th sibling counting from the last sibling	gd	the grid defined by 'layout-grid'			
:first-child	an element that is the first sibling	px	pixel of the viewing device			
:last-child	an element that is the last sibling	rem	the font size of the root element			
:only-child	an element that is the only child	vh	the viewport's height			
:nth-of-type(n)	an element that is the n-th sibling of its type.	vw	the viewport's width			
:nth-last-of-type(n)	an element that is the n-th sibling of its type counting from the last sibling	vm	viewport's height or width, whichever is smaller of the two			
:last-of-type	an element that is the first sibling of its type	ANGLES				
:first-of-type	an element that is the last sibling of its type	deg	degrees			
:only-of-type	an element that is the only child of that type	grad	grads			
:empty	an element that has no children	rad	radians			
:root	root element within the document	turn	turns			
:not(x)	an element not represented by the argument 'x'	TIME				
:target	a target element as specified by a target in a URI	ms	milli-seconds			
PSEUDO-ELEMENT		s	seconds			
::first-letter	Adds special style to the first letter of a text	FREQUENCY				
::first-line	Adds special style to the first line of a text	Hz	hertz			
::before	Inserts some content before an element	kHz	kilo-hertz			
::after	Inserts some content after an element	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			