

# Cascading Style Sheets (CSS 2)

BACKGROUND		CLASSIFICATION		GENERATED CONTENT	
background	background-color background-image background-repeat background-attachment background-position	clear	left   right   both   none	content	string url counter(name) counter(name, list-style-type) counters(name, string) counters(name, string, list-style-type) attr(X) open-quote   close-quote   no-open-quote   no-close-quote
background-attachment	scroll   fixed	cursor	url auto   crosshair   default   pointer   move   e-resize   ne-resize   nw-resize   n-resize   se-resize   sw-resize   s-resize   w-resize   text   wait   help	counter-increment	none identifier number
background-color	color-rgb color-hex color-name transparent	display	none   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	counter-reset	none identifier number
background-image	url none	float	left   right   none	quotes	none string string string string
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	position	static   relative   absolute   fixed	LIST & MARKERS	
background-repeat	repeat   repeat-x   repeat-y   no-repeat	visibility	visible   hidden   collapse	list-style	list-style-type list-style-position list-style-image
BORDER		DIMENSION		list-style-image	none url
border	border-width border-style border-color	height	auto length %	list-style-position	Inside   outside
border-bottom	border-bottom-width border-style border-color	line-height	normal number length %	list-style-type	none   disc   circle   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
border-bottom-color	border-color	max-height	none length %	marker-offset	auto length
border-bottom-style	border-style	max-width	none length %	MARGIN	
border-bottom-width	thin   medium   thick length	min-height	length %	margin	margin-top margin-right margin-bottom margin-left
border-color	color	min-width	length %	margin-bottom	auto length %
border-left	border-left-width border-style border-color	width	auto % length	margin-left	auto length %
border-left-color	border-color	FONT		margin-right	auto length %
border-left-style	border-style	font	font-style font-variant font-weight font-size/line-height font-family caption   icon   menu   message-box   small-caption   status-bar	margin-top	auto length %
border-left-width	thin   medium   thick length	font-family	family-name generic-family	OUTLINE	
border-right	border-right-width border-style border-color	font-size	xx-small   x-small   small   medium   large   x-large   xx-large   smaller   larger length %	outline	outline-color outline-style outline-width
border-right-color	border-color	font-size-adjust	none number	outline-color	color invert
border-right-style	border-style	font-stretch	normal   wider   narrower   ultra-condensed   extra-condensed   condensed   semi-condensed   semi-expanded   expanded   extra-expanded   ultra-expanded	outline-style	None   dotted   dashed   solid   double   groove   ridge   inset   outset
border-right-width	thin   medium   thick length	font-style	normal   italic   oblique	outline-width	thin   medium   thick length
border-style	none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset	font-variant	normal   small-caps	CSS Properties in <b>Dark Red</b> 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	
border-top	border-top-width border-style border-color	font-weight	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900		
border-top-color	border-color				
border-top-style	border-style				
border-top-width	thin   medium   thick length				
border-width	thin   medium   thick length				
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					

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PADDING	
<b>padding</b>	padding-top padding-right padding-bottom padding-left
<b>padding-bottom</b>	length %
<b>padding-left</b>	length %
<b>padding-right</b>	length %
<b>padding-top</b>	length %
POSITIONING	
<b>bottom</b>	auto % length
<b>clip</b>	shape auto
<b>left</b>	auto % length
<b>overflow</b>	visible   hidden   scroll   auto
<b>position</b>	static   relative   absolute   fixed
<b>right</b>	auto % length
<b>top</b>	auto % length
<b>vertical-align</b>	Baseline   sub   super   top   text-top   middle   bottom   text-bottom length %
<b>z-index</b>	auto

UNITS	
MEASUREMENT	
<b>%</b>	percentage
<b>cm</b>	centimeter
<b>em</b>	1em = current font size of current element
<b>ex</b>	1ex = ~1/2 current size of current element
<b>in</b>	inch
<b>mm</b>	millimeter
<b>pc</b>	pica (= 12 points)
<b>pt</b>	point (= 1/72 inch)
<b>px</b>	pixel
COLORS	
<b>Color name</b>	Red, blue, green, dark green
<b>rgb(x,y,z)</b>	Red = rgb(255,0,0)
<b>rgb(x%,y%,z%)</b>	Red = rgb(100%,0,0)
<b>#rrggbb</b>	Red = #ff0000 (or shorthand = #f00)

TABLE	
<b>border-collapse</b>	collapse   separate
<b>border-spacing</b>	length length
<b>caption-side</b>	top   bottom   left   right
<b>empty-cells</b>	show   hide
<b>table-layout</b>	auto   fixed
TEXT	
<b>color</b>	color
<b>direction</b>	ltr   rtl
<b>letter-spacing</b>	normal length
<b>text-align</b>	left   right   center   justify
<b>text-decoration</b>	none   underline   overline   line-through   blink
<b>text-indent</b>	length %
<b>text-shadow</b>	none color length
<b>text-transform</b>	none   capitalize   uppercase   lowercase
<b>unicode-bidi</b>	normal   embed   bidi-override
<b>white-space</b>	normal   pre   nowrap
<b>word-spacing</b>	normal length

SELECTOR TYPES		
Name	Info	Example
<b>Universal</b>	Any element	* { font: 10px Arial; }
<b>Type</b>	Any element of that type	h1 { text-decoration: underline; }
<b>Grouping</b>	Multiple elements of different types	h1, h2, h3 { font-family: Verdana; }
<b>Class</b>	Multiple elements of different types when you don't want to affect all instances	.sampleclass { text-decoration: underline; }
<b>Id</b>	A single element type when you don't want to affect all instances of	#sampleid { text-decoration: underline; }
<b>Descendant</b>	An element that is below (in the document tree) another element—no matter how many levels below	#gallery h1 { text-decoration: underline; }
<b>Child</b>	An element that is directly below (in the document tree) another	#title > p { font-weight: bold; }
<b>Sibling</b>	All elements of a type that share the same parent	h1 + p { font-style: italic; }
<b>Attribute</b>	An element with that matches the attribute listed	option[selected] { color: #ff0000; } input[type="pass"] { color: #ccc; } img[src="sm.gif"] { border: 1px solid #000; } a[rel~="next"] { color: #fff; } *[lang="en"] { color: red; }

PSEUDO-CLASS	
<b>:active</b>	Adds special style to an activated element
<b>:focus</b>	Adds special style to an element while the element has focus
<b>:hover</b>	Adds special style to an element when you mouse over it
<b>:link</b>	Adds special style to an unvisited link
<b>:visited</b>	Adds special style to a visited link
<b>:first-child</b>	Adds special style to an element that is the first child of some other element
<b>:lang</b>	Allows the author to specify a language to use in a specified
PSEUDO-ELEMENT	
<b>:first-letter</b>	Adds special style to the first letter of a text
<b>:first-line</b>	Adds special style to the first line of a text
<b>:before</b>	Inserts some content before an element
<b>:after</b>	Inserts some content after an element

SELECTOR PATTERNS	
Name	Example
<b>*</b>	any element
<b>E</b>	an element of type E
<b>E[foo]</b>	an E element with a "foo" attribute
<b>E[foo="bar"]</b>	an E element whose "foo" attribute value is exactly equal to "bar"
<b>E[foo~="bar"]</b>	an E element whose "foo" attribute value is a list of space-separated values, one of which is exactly equal to "bar"
<b>E [hreflang]="en"]</b>	an E element whose "hreflang" attribute has a hyphen-separated list of values beginning (from the left) with "en"
<b>E:first-child</b>	an E element, first child of its parent
<b>E:link E:visited</b>	an E element being the source anchor of a hyperlink of which the target is not yet visited (:link) or already visited (:visited)
<b>E:active E:hover E:focus</b>	an E element during certain user actions
<b>E:lang(fr)</b>	an element of type E in language "fr" (the document language specifies how language is determined)
<b>E::first-line</b>	the first formatted line of an E element
<b>E::first-letter</b>	the first formatted letter of an E element
<b>E::before</b>	generated content before an E element
<b>E::after</b>	generated content after an E element
<b>E.warning</b>	an E element whose class is "warning" (the document language specifies how class is determined).
<b>E#myid</b>	an E element with ID equal to "myid".
<b>E F</b>	an F element descendant of an E element
<b>E &gt; F</b>	an F element child of an E element
<b>E + F</b>	an F element immediately preceded by an E element