

# Cascading Style Sheets (CSS 3)

BACKGROUND	
<b>background</b>	<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>
<b>background-attachment</b>	scroll   fixed
<b>background-break</b>	bounding-box   each-box   continuous
<b>background-clip</b>	<i>length</i> % border-box   padding-box   content-box   no-clip
<b>background-color</b>	<i>color</i> transparent
<b>background-image</b>	<i>url</i> none
<b>background-origin</b>	border-box   padding-box   content-box
<b>background-position</b>	top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right <i>x</i> -% <i>y</i> -% <i>x-pos y-pos</i>
<b>background-repeat</b>	repeat   repeat-x   repeat-y   no-repeat
<b>background-size</b>	<i>length</i> % auto   cover   contain
BORDER	
<b>border</b>	<i>border-width</i> <i>border-style</i> <i>border-color</i>
<b>border-break</b>	<i>border-width</i> <i>border-style</i> <i>color</i> close
<b>border-bottom</b>	<i>border-bottom-width</i> <i>border-style</i> <i>border-color</i>
<b>border-bottom-color</b>	<i>border-color</i>
<b>border-bottom-style</b>	<i>border-style</i>
<b>border-bottom-width</b>	thin   medium   thick <i>length</i>
<b>border-collapse</b>	collapse   separate
<b>border-color</b>	<i>color</i>
<b>border-image</b>	<i>image</i> [ <i>number</i> / % <i>border-width</i> stretch   repeat   round ] none
<b>border-left</b>	<i>border-left-width</i> <i>border-style</i> <i>border-color</i>
<b>border-left-color</b>	<i>border-color</i>
<b>border-left-style</b>	<i>border-style</i>
<b>border-left-width</b>	thin   medium   thick <i>length</i>
<b>border-right</b>	<i>border-right-width</i> <i>border-style</i> <i>border-color</i>
<b>border-right-color</b>	<i>border-color</i>
<b>border-right-style</b>	<i>border-style</i>
<b>border-right-width</b>	thin   medium   thick <i>length</i>

BORDER	
<b>border-top</b>	<i>border-top-width</i> <i>border-style</i> <i>border-color</i>
<b>border-top-color</b>	<i>border-color</i>
<b>border-top-style</b>	<i>border-style</i>
<b>border-top-width</b>	thin   medium   thick <i>length</i>
<b>border-width</b>	thin   medium   thick <i>length</i>
<b>border-radius</b>	<i>border-top-right-radius</i> <i>border-bottom-right-radius</i> <i>border-bottom-left-radius</i> <i>border-top-left-radius</i>
<b>border-top-right-radius</b>	<i>length</i>
<b>border-bottom-right-radius</b>	<i>length</i>
<b>border-bottom-left-radius</b>	<i>length</i>
<b>border-top-left-radius</b>	<i>length</i>
<b>box-shadow</b>	inset    [ <i>length</i> , <i>length</i> , <i>length</i> , <i>length</i>    < <i>color</i> > ] none
<b>border-style</b>	none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset
FONT	
<b>font</b>	<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
<b>font-family</b>	<i>family-name</i> <i>generic-family</i> inherit
<b>font-size</b>	xx-small   x-small   small   medium   large   x-large   xx-large   smaller   larger   inherit <i>length</i> %
<b>font-size-adjust</b>	none   inherit <i>number</i>
<b>font-stretch</b>	normal   wider   narrower   ultra-condensed   extra-condensed   condensed   semi-condensed   semi-expanded   expanded   extra-expanded   ultra-expanded   inherit
<b>font-style</b>	normal   italic   oblique   inherit
<b>font-variant</b>	normal   small-caps   inherit
<b>font-weight</b>	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900   inherit
BOX MODEL	
<b>clear</b>	left   right   both   none
<b>display</b>	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	
<b>float</b>	left   right   none
<b>height</b>	auto <i>length</i> %
<b>max-height</b>	none <i>length</i> %
<b>max-width</b>	none <i>length</i> %
<b>min-height</b>	none   inherit <i>length</i> %
<b>min-width</b>	none   inherit <i>length</i> %
<b>width</b>	auto % <i>length</i>
<b>margin</b>	<i>margin-top</i> <i>margin-right</i> <i>margin-bottom</i> <i>margin-left</i>
<b>margin-bottom</b>	auto <i>length</i> %
<b>margin-left</b>	auto <i>length</i> %
<b>margin-right</b>	auto <i>length</i> %
<b>margin-top</b>	auto <i>length</i> %
<b>padding</b>	<i>padding-top</i> <i>padding-right</i> <i>padding-bottom</i> <i>padding-left</i>
<b>padding-bottom</b>	<i>length</i> %
<b>padding-left</b>	<i>length</i> %
<b>padding-right</b>	<i>length</i> %
<b>padding-top</b>	<i>length</i> %
<b>marquee-direction</b>	forward   reverse
<b>marquee-loop</b>	infinite <i>number</i>
<b>marquee-play-count</b>	infinite <i>integer</i>
<b>marquee-speed</b>	slow   normal   fast
<b>marquee-style</b>	scroll   slide   alternate
<b>overflow</b>	visible   hidden   scroll   auto   no-display   no-content <i>overflow-x</i> <i>overflow-y</i>
<b>overflow-style</b>	auto   marquee-line   marquee-block
<b>overflow-x</b>	visible   hidden   scroll   auto   no-display   no-content
<b>overflow-y</b>	visible   hidden   scroll   auto   no-display   no-content
<b>rotation</b>	<i>angle</i>
<b>rotation-point</b>	<i>position</i> ( <i>paired value off-set</i> )
<b>visibility</b>	visible   hidden   collapse

# Cascading Style Sheets (CSS 3)

TEXT	
<b>direction</b>	ltr   rtl   inherit
<b>hanging-punctuation</b>	none   [ start   end   end-edge ]
<b>letter-spacing</b>	normal <i>length</i> %
<b>punctuation-trim</b>	none   [start   end   adjacent]
<b>text-align</b>	start   end   left   right   center   justify
<b>text-align-last</b>	start   end   left   right   center   justify
<b>text-decoration</b>	none   underline   overline   line-through   blink
<b>text-emphasis</b>	none   [ [ accent   dot   circle   disc ] [ before   after ]? ]
<b>text-indent</b>	<i>length</i> %
<b>text-justify</b>	auto   inter-word   inter-ideograph   inter-cluster   distribute   kashida   tibetan
<b>text-outline</b>	none <i>color</i> <i>length</i>
<b>text-shadow</b>	none <i>color</i> <i>length</i>
<b>text-transform</b>	none   capitalize   uppercase   lowercase
<b>text-wrap</b>	normal   unrestricted   none   suppress
<b>unicode-bidi</b>	normal   embed   bidi-override
<b>white-space</b>	normal   pre   nowrap   pre-wrap   pre-line
<b>white-space-collapse</b>	preserve   collapse   preserve-breaks   discard
<b>word-break</b>	normal   keep-all   loose   break-strict   break-all
<b>word-spacing</b>	normal <i>length</i> %
<b>word-wrap</b>	normal   break-word
COLUMN	
<b>column-count</b>	auto <i>number</i>
<b>column-fill</b>	auto   balance
<b>column-gap</b>	normal <i>length</i>
<b>column-rule</b>	<i>column-rule-width</i> <i>column-rule-style</i> <i>column-rule-color</i>
<b>column-rule-color</b>	<i>color</i>
<b>column-rule-style</b>	<i>border-style</i>
<b>column-rule-width</b>	thin   medium   thick <i>length</i>
<b>columns</b>	<i>column-width</i> <i>column-count</i>
<b>column-span</b>	1   all
<b>column-width</b>	auto <i>length</i>
COLOR	
<b>color</b>	inherit <i>color</i>
<b>opacity</b>	inherit <i>number</i>

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

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

# 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   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	
<b>fit</b>	fill   hidden   meet   slice
<b>fit-position</b>	[top   center   bottom]    [left   center   right] <i>length</i> %
<b>image-orientation</b>	auto <i>angle</i>
<b>orphans</b>	<i>integer</i>
<b>page</b>	auto <i>identifier</i>
<b>page-break-after</b>	auto   always   avoid   left   right
<b>page-break-before</b>	auto   always   avoid   left   right
<b>page-break-inside</b>	auto   avoid
<b>size</b>	auto   landscape   portrait <i>length</i>
<b>windows</b>	<i>integer</i>
UI	
<b>appearance</b>	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]
<b>cursor</b>	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>
<b>icon</b>	auto   inherit <i>url</i>
<b>nav-index</b>	auto   inherit <i>number</i>
<b>nav-up</b>	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
<b>nav-right</b>	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
<b>nav-down</b>	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
<b>nav-left</b>	auto   inherit <id> [ <i>current</i>   <i>root</i>   <target-name> ]
<b>resize</b>	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