

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 |

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| 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 [<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 after-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 |

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 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 E*[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" |