The Ultimate CSS CHEAT SHEET
[Including CSS3 Tags]

With billions of websites and counting, yours needs to stand out. CSS is the style sheet language used to make your website one-in-a-billion. Ready to learn and utilize it? Here’s a cheat sheet to help you remember all the different elements at your disposal.
background-image
url
none

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

background-clip
length
%
auto | cover | contain

background-repeat
repeat | repeat-x |
repeat-y | no-repeat

background-attachment
scroll | fixed

background-origin
border-box | padding-box |
content-box

background-color
color
transparent

background-break
bounding box | each-box |
continuous
border
border-width
border-style
border-color

border-width
thin | medium | thick | length

border-style
none | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset

border-color
color

border-bottom
border-bottom-width
border-style
border-color

border-left
border-left-width
border-style
border-color

border-left-style
border-style

border-top
border-top-width
border-style
border-color

border-top-color
border-color

border-top-style
border-style

box-shadow
inset
[ length, length, length, length ]
<color>
none

border-collapse
collapse | separate

border-right-width
thin | medium | thick | length

border-right-color
border-color

border-image
image
[ number / % ]
border-width
stretch | repeat | round
none

border-top-width
thin | medium | thick | length

border-break
border-width
border-style
color
close

border-bottom-color
border-color

border-bottom-style
border-style

border-bottom-color
border-color

border-left-width
thin | medium | thick | length

border-right-style
border-style

border-right
border-right-width
border-style
border-color

border-radius
border-radius
border-top-right-radius
border-bottom-right-radius
border-bottom-left-radius
border-top-left-radius

border-top-right-radius
length

border-bottom-right-radius
length

border-bottom-left-radius
length
<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>float</td>
<td>left</td>
</tr>
<tr>
<td>height</td>
<td>auto</td>
</tr>
<tr>
<td>max-height</td>
<td>none</td>
</tr>
<tr>
<td>max-width</td>
<td>none</td>
</tr>
<tr>
<td>min-height</td>
<td>none</td>
</tr>
<tr>
<td>min-height</td>
<td>none</td>
</tr>
<tr>
<td>width</td>
<td>auto</td>
</tr>
<tr>
<td>padding</td>
<td>padding-top</td>
</tr>
<tr>
<td>padding-bottom</td>
<td>length</td>
</tr>
<tr>
<td>padding-left</td>
<td>length</td>
</tr>
<tr>
<td>padding-right</td>
<td>length</td>
</tr>
<tr>
<td>padding-top</td>
<td>length</td>
</tr>
<tr>
<td>display</td>
<td>none</td>
</tr>
<tr>
<td>table-header-group</td>
<td>table-footer-group</td>
</tr>
<tr>
<td>overflow-style</td>
<td>auto</td>
</tr>
<tr>
<td>overflow-X</td>
<td>visible</td>
</tr>
<tr>
<td>visibility</td>
<td>visible</td>
</tr>
<tr>
<td>clear</td>
<td>left</td>
</tr>
</tbody>
</table>
3D/2D TRANSFORM

backface-visibility
visible | hidden

perspective
none
number

perspective-origin
%
left | center | right
top | center | bottom
left | center | right
top | center | bottom

transform-style
flat | preserve-3d

transform
none | matrix | matrix3d |
translate3d | translateX |
translateY | translateZ | scale |
scale3d | scaleX | scaleY |
scaleZ | rotate | rotate3d |
rotateX | rotateY | rotateZ |
skewX | skewY | skew |
perspective

transform-origin
%
left | center | right
top | center | bottom
left | center | right
top | center | bottom

GENERATED CONTENT

bookmark-label
content
attr
string

bookmark-level
none
integer

bookmark-target
self
url
attr

border-length
self
url
attr

content
normal | none | inhibit | url

hyphenate-lines
no-limit
integer

hyphenate-resource
none
url

hyphens
none, manual, auto

image-resolution
normal | auto
dpi

hyphenate-before
auto
integer

hyphenate-character
auto
string

counter-reset
none
identifier number

crop
auto
shape

display
normal | none | list-item

float-offset
length length

hyphenate-after
auto
integer

counter-increment
none, identifier number

marks
crop
cross
none

move-to
normal
here
identifier

page-policy
start | first | last

quotes
none

string-set
identifier
content-list

text-replace
none
<string><strong> | +
**COLUMN**

- `column-count`: auto | number
- `column-fill`: auto | balance
- `column-gap`: normal | length
- `column-rule-width`: thin | medium | thick | length
- `column-span`: 1 | all
- `column-rule`: column-rule-width | column-rule-style | column-rule-color
- `column-rule-style`: border-style
- `columns`: column-width | column-count
- `column-width`: auto | length

---

**COLORS**

- `colors`: inherit | color
- `opacity`: inherit | number

---

**GRID POSITIONING**

- `grid-columns`: none | inherit | [ length percentage relative | length ]
- `grid-rows`: none | inherit | [ length percentage relative | length ]
font
font-style
font-variant
font-weight
font-size/line-height
font-family
caption | icon | menu |
message-box | small-caption |
status-bar
font-size-adjustment
none | inherit
number
font-family
normal
wider
narrower
ultra-condensed
extra-condensed
condensed
semi-condensed
semi-expanded
ultra-expanded
inherit
font-style
normal | italic | oblique | inherit
font-variant
normal | small-caps | inherit
font-size
xx-small
x-small
small
medium
large
x-large
xx-large
smaller
larger
inherit
length
font-weight
normal | bold | bolder | lighter |
100 | 200 | 300 | 400 | 500 | 600 |
700 | 800 | 900 | inherit
alignment-adjust
auto | baseline | before-edge |
text-before-edge | middle |
central | after-edge |
text-after-edge | ideographic |
alphabetic | hanging |
mathematical

length
%

alignment-baseline
baseline | ise-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

inline-box-align
initial | last

integer

line-height
normal
number
length
%
LIST & MARKERS

- `list-style`
  - `list-style-type`
  - `list-style-position`
  - `list-style-image`

- `list-style-image`
  - `none`
  - `url`

- `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`
  - `arabic`
  - `georgian`
  - `cjk-ideographic`
  - `hiragana`
  - `katakana`
  - `hiragana-iroha`
  - `footnotes`
  - `marker-offset`
  - `auto`
  - `length`

ANIMATIONS

- `animations`
  - `animation-name`
  - `animation-duration`
  - `animation-timing-function`
  - `animation-delay`
  - `animation-iteration-count`
  - `animation-direction`

- `animation-name`
  - `none` | `ident`

- `animation-duration`
  - `time`

- `animation-timing-function`
  - `ease`
  - `linear`
  - `ease-in`
  - `ease-out`
  - `ease-in-out`
  - `cubic-bezier (number, number, number, number)`

- `animation-delay`
  - `time`

- `animation-iteration-count`
  - `inherit`
  - `number`

- `animation-direction`
  - `normal` | `alternate`

- `animation-play-state`
  - `running` | `paused`
### HYPERLINK

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>target</td>
<td>target-name, target-new, target-position</td>
</tr>
<tr>
<td>target-name</td>
<td>current, root, parent, new, model</td>
</tr>
<tr>
<td>target-position</td>
<td>above, behind, front, back</td>
</tr>
</tbody>
</table>

### POSITIONING

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>bottom</td>
<td>auto, %, length</td>
</tr>
<tr>
<td>top</td>
<td>auto, %, length</td>
</tr>
<tr>
<td>right</td>
<td>auto, %, length</td>
</tr>
<tr>
<td>left</td>
<td>auto, %, length</td>
</tr>
<tr>
<td>clip</td>
<td>shape, auto</td>
</tr>
<tr>
<td>x-index</td>
<td>auto, number</td>
</tr>
<tr>
<td>position</td>
<td>static, relative, absolute, fixed</td>
</tr>
</tbody>
</table>

### RUBY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ruby-align</td>
<td>auto, start, left, center, end, right, distribute-letter, distribute-space, line-edge</td>
</tr>
<tr>
<td>ruby-position</td>
<td>before, after, right, inline</td>
</tr>
<tr>
<td>ruby-span</td>
<td>attr(x), none</td>
</tr>
<tr>
<td>ruby-overhang</td>
<td>auto, start, end, none</td>
</tr>
<tr>
<td>PSEUDO-CLASS</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>:active</td>
<td>an activated element</td>
</tr>
<tr>
<td>:focus</td>
<td>an element while the element has focus</td>
</tr>
<tr>
<td>:hover</td>
<td>an element when you mouse over it</td>
</tr>
<tr>
<td>:link</td>
<td>an unvisited link</td>
</tr>
<tr>
<td>:disabled</td>
<td>an element while the element is disabled</td>
</tr>
<tr>
<td>:enabled</td>
<td>an element while the element is enabled</td>
</tr>
<tr>
<td>:checked</td>
<td>an element that is checked</td>
</tr>
<tr>
<td>:selection</td>
<td>an element that is currently selected or highlighted by the user</td>
</tr>
<tr>
<td>:lang</td>
<td>allows the author to specify a language to use in a specified element</td>
</tr>
<tr>
<td>:nth-child(n)</td>
<td>an element that is the n-th sibling</td>
</tr>
<tr>
<td>:nth-last-child(n)</td>
<td>an element that is the n-th sibling counting from the last sibling</td>
</tr>
<tr>
<td>:first-child</td>
<td>an element that is the first sibling</td>
</tr>
<tr>
<td>:last-child</td>
<td>an element that is the last sibling</td>
</tr>
<tr>
<td>:only-child</td>
<td>an element that is the only child</td>
</tr>
<tr>
<td>:nth-of-type(n)</td>
<td>an element that is the n-th sibling of its type</td>
</tr>
<tr>
<td>:nth-last-of-type(n)</td>
<td>an element that is the n-th sibling of its type counting from the last sibling</td>
</tr>
<tr>
<td>:last-of-type</td>
<td>an element that is the last sibling of its type</td>
</tr>
<tr>
<td>:first-of-type</td>
<td>an element that is the first sibling of its type</td>
</tr>
<tr>
<td>:only-of-type</td>
<td>an element that is the only child of its type</td>
</tr>
<tr>
<td>:empty</td>
<td>an element that has no children</td>
</tr>
<tr>
<td>:root</td>
<td>root element within the document</td>
</tr>
<tr>
<td>:not(x)</td>
<td>an element not represented by the argument 'x'</td>
</tr>
<tr>
<td>:target</td>
<td>a target element as specified by a target in a UR</td>
</tr>
</tbody>
</table>
### 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

### 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 “o” 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 font size of the root element
- **vw**: the font size of the root element
- **vm**: viewport’s height or width, whichever is smaller of the two

### Angles
- **%**: degrees
- **cm**: grads
- **in**: radians
- **mm**: turns

### 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 = rgb(255,0,0,0)
- **#rrggbb**: red = #ff0000 (or shorthand - #f00)
- **hsl**: (hue, saturation, lightness)
  - 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**: the font size of the root element

### Time
- **ms**: milli-seconds
- **s**: seconds

### Frequency
- **Hz**: hertz
- **kHz**: kilo-hertz
## SELECTOR TYPES

<table>
<thead>
<tr>
<th>Name</th>
<th>Info</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal</td>
<td>Any element</td>
<td><code>* { font: 10px Arial; }</code></td>
</tr>
<tr>
<td>Type</td>
<td>Any element of that type</td>
<td><code>h1 { text-decoration: underline; }</code></td>
</tr>
<tr>
<td>Grouping</td>
<td>Multiple elements of different types</td>
<td><code>es h1, h2, h3 { font-family: verdana; }</code></td>
</tr>
<tr>
<td>Class</td>
<td>Multiple elements of different types when you don't want to affect all instances of that type</td>
<td><code>sampleClass { text-decoration: underline; }</code></td>
</tr>
<tr>
<td>Id</td>
<td>A single element type when you don't want to affect all instances of that type</td>
<td><code>#sampleID { text-decoration: underline; }</code></td>
</tr>
<tr>
<td>Descendant</td>
<td>An element that is below (in the document tree) another element - no matter how many levels below</td>
<td><code>: #gallery h1 { text-decoration: underline; }</code></td>
</tr>
<tr>
<td>Child</td>
<td>An element that is directly below (in the document tree) another element</td>
<td><code>#title &gt; p { font-weight: bold; }</code></td>
</tr>
<tr>
<td>Adjacent Sibling</td>
<td>All elements that share the same parent and elements are in the same immediate sequence</td>
<td><code>h1 + p { font-style: italic; }</code></td>
</tr>
<tr>
<td>General Sibling</td>
<td>All elements that share the same parent and elements are in the same sequence (not necessarily immediate)</td>
<td><code>h1 - p { font-style: italic; }</code></td>
</tr>
<tr>
<td>Attribute</td>
<td>An element that matches the attribute listed</td>
<td><code>*select: attr { }</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>*select: attr=val { }</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>*select: attr~val { }</code></td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>*select: attr*val { }</code></td>
</tr>
</tbody>
</table>

## OUTLINE

- `outline`
- `outline-color`
- `outline-style`
- `outline-width`
- `outline-offset`
- `inherit`
- `length`

- `outline-style`
  - none
  - dotted
  - dashed
  - solid
  - double
  - groove
  - ridge
  - inset
  - outset

- `outline-width`
  - thin
  - medium
  - thick
  - length
cue
    cue-before
    cue-after
mark
    mark-before
    mark-after
mark-before
    string
mark-after
    string
voice-pitch-range
    X-low | low | medium | high | x-high | inherit
number
voice-stress
    strong | moderate | none | reduced | inherit
voice-volume
    silent | x-soft | soft | medium | loud | x-loud | inherit
number
    %
cue-after
    url
    silent
    x-soft
    soft
    medium
    loud
    x-loud
    none
    inherit
    number
    %
caption-side
    top | bottom | left | right
rest
    rest-before
    rest-after
    cue-before
    url | silent | x-soft | soft | medium | loud | x-loud | none | inherit
pause
    pause-before
    pause-after
pause-before
    none | x-weak | weak | medium | strong | x-strong | inherit
time
phonemes
    string
voice-duration
    time
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
    number
    %
rest-before
    none | x-weak | weak | medium | strong | x-strong | inherit
time
rest-after
    none | x-weak | weak | medium | strong | x-strong | inherit
time
box-align
  start
  end
  center
  base

box-direction
  normal | reverse

box-lines
  single | multiple

box-orient
  horizontal | verticle | inline-axis | block-axis

box-flex
  normal

box-flex-group
  integer

box-pack
  start | end | center | justify

box-sizing
  content-box
  padding-box
  border-box
  margin-box

tab-side
  top | bottom | left | right

border-collapse
  collapse | separate

empty-cells
  show | hide

border-spacing
  length length

table-layout
  auto | fixed

caption-side
  top | bottom | left | right
direction
ltr | rtl | inherit

hanging-punctuation
none | start | end | end-edge

letter spacing
normal
length
%

text-shadow
none
color
length

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

word-break
normal | keep-all | loose | break-strict | break-all

word-wrap
normal
length
%

text-transform
none
capitalize
uppercase
lowercase

text-wrap
normal | unrestricted | none | suppress

word-spacing
normal
length
%
TRANSITIONS

transitions
transitions-property
transitions-duration
transition-timing-function
transitions-delay

transitions-duration
time

transitions-property
none | all

transitions-delay
time

transition-timing-function
ease | linear | ease-in | ease-out | ease-in-out | cubic-bezier
(number, number, number, number)

UI (USER INTERFACE)

appearance
normal | inherit | icon | window | desktop | work-space | 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

nav-index
auto | inherit

number

nav-up
auto | inherit | current | root |

nav-right
auto | inherit | current | root |

nav-down
auto | inherit | current | root |

nav-left
auto | inherit | current | root |

resize
none | both | horizontal | vertical | inherit

url

icon
auto | inherit

time