
Beginner's Essential

CSS CHEAT SHEET

What makes a website unique is its styling. A must-have skill for every web developer.

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Backgrounds

background

`background-image`

`background-position`

`background-size`

`background-repeat`

`background-attachment`

`background-origin`

`background-clip`

`background-color`

background-image

`url`

`gradients`

`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-size

`length`

`%`

`auto` | `cover` | `contain`

background-repeat

`repeat` | `repeat-x` | `repeat-y` |

`no-repeat`

background-attachment

`scroll | fixed | local`

background-origin

`border-box | padding-box | content-box`

background-clip

`border-box | padding-box | content-box`

background-color

`color`

`transparent`

Border

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-right-color`

`border-color`

`border-right-width`

`thin | medium | thick | length`

`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-left-color`

`border-color`

`border-left-width`

`thin | medium | thick length`

`border-right-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-image

`image`

`[number / % border-width stretch | repeat | round]`

`none`

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`

Box Model

float

left | right | none

height

auto

length

%

max-height

none

length

%

max-width

none

length%

min-height

none

length

%

width

auto

%

length

margin

margin-top

margin-right

margin-bottom

margin-left

margin-bottom

auto

length

⌘

margin-left

auto

height

⌘

margin-right

auto

height

⌘

margin-top

auto

length

⌘

padding

padding-top

padding-right

padding-bottom

padding-left

padding-bottom

length

⌘

padding-left

length

⌘

padding-right

length

⌘

padding-top

length

⌘

display

none | inline | block | inline-block | flex | inline-flex | grid | inline-grid | contents | 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

overflow

visible | hidden | scroll |

auto | no-display | no-content

overflow-x

overflow-y

overflow-style

auto | marquee-line | marqueeblock

overflow-x

visible | hidden | scroll |

auto | no-display | no-content

visibility

visible | hidden | collapse

clear

left | right | both | none

Font

font

font-style

font-variant

font-weight

font-size/line-height

font-family

caption | icon | menu | messagebox | small-caption | status-bar

font-size-adjust

none | inherit

number

font-family

serif | sans-serif | Font Name

font-style

normal | italic | oblique | inherit

font-variant

normal | small-caps | inherit

font-size

xx-small | x-small | small | medium | large | x-large | xxlarge |
smaller | larger |

inherit

length

%

font-weight

normal | bold | bolder | lighter | 100 | 200 | 300 | 400 | 500 | 600 |
700 | 800 | 900 | inherit

Text

direction

ltr | rtl | inherit

hanging-punctuation

none | [start | end | endedge]

letter-spacing

normal

length

%

text-outline

`none`

`color`

`length`

unicode-bidi

`normal` | `embed` | `bidi-override`

white-space

`normal` | `pre` | `nowrap` | `pre-wrap` | `pre-line`

white-space-collapse

`preserve` | `collapse` | `pre-servebreaks` | `discard`

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-shadow

`none`

`color`

`length`

word-break

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

word-wrap

`normal`

`nowrap`

text-emphasis

`none` | [[`accent` | `dot` | `circle` | `disc` | [`before` | `after`]?]

text-indent

length

⌘

text-justify

auto | inter-word | interideograph | inter-cluster | distribute | kashida | tibetan

text-transform

none | capitalize | uppercase | lowercase

text-wrap

normal | unresrricted | none | suppress

word-spacing

normal

length

⌘

Column

column-count

auto

number

column-fill

auto | balance

column-gap

normal

length

column-rule

column-rule-width

column-rule-style

column-rule-color

column-rule-style

`border-style`

`columns`

`column-width`

`column-count`

`column-rule-width`

`thin` | `medium` | `thick`

`length`

`column-span`

`1` | `all`

`column-width`

`auto`

`length`

Colors

`color`

`inherit`

`color`

`opacity`

`inherit`

`number`

Table

`border-collapse`

`collapse` | `separate`

`empty-cells`

`show` | `hide`

`border-spacing`

`length` `length`

`table-layout`

auto | fixed

caption-side

top | bottom | left | right

Speech

cue

cue-before

cue-after

cue-before

url [silent | x-soft | soft | medium | loud | x-loud | none | inherit]

number

%

mark

mark-before

mark-after

mark-before

string

mark-after

string

voice-pitch-range

x-low | low | medium | high | xhigh | 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`

`%`

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 | xhigh | inherit`

`number`

`%`

caption-side

`top | bottom | left | right`

rest

`rest-before`

`rest-after`

rest-before

`none | x-weak | weak | medium | strong | x-strong | inherit`
`time`

rest-after

`none | x-weak | weak | medium | strong | x-strong | inherit`
`time`

speak

`none | normal | spell-out | digits | literal-punctuation |`
`no-punctuation | inherit-number`

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 | armenian | georgian | cjk-ideographic | hiragana | katakana |`
`hiragana-iroha | katakana-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` | `easeout` | `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`

rotation

`angle`

`rotation-point`

`position` (paired value off-set)

Transitions

transitions

`transitions-property`

`transitions-duration`

`transitions-timing-function`

`transitions-delay`

transitions-delay

`time`

transitions-duration

`time`

transitions-property

`none | all`

transition-timing-function

`ease | linear | ease-in | ease-out | ease-in-out | cubicBezier(number, number, number, number)`

UI

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]`

cursor

`auto | crosshair | default | pointer | move | e-resize | neresize | nw-resize | n-resize | se-resize | sw-resize | swresize | s-resize | w-resize | text | wait | help`

`url`

icon

`auto | inherit`

`url`

nav-index

auto | inherit

number

nav-up

auto | inherit <id> [current | root | <target-name>

nav-right

auto | inherit <id> [current | root | <target-name>

nav-down

auto | inherit <id> [current | root | <target-name>

nav-left

auto | inherit <id> [current |

root | <target-name>

resize

none | both | horizontal |

vertical | inherit

Pseudo-Class

<code>:active</code>	an activated element
<code>:focus</code>	an element while the element has focus
<code>:hover</code>	an element when you mouse over it
<code>:link</code>	an unvisited link
<code>:disabled</code>	an element while the element is disabled
<code>:enabled</code>	an element while the element is enabled
<code>:checked</code>	an element that is checked
<code>:selection</code>	an element that is currently selected or highlighted by the user
<code>:lang</code>	allows the author to specify a language to use in a specified element
<code>:nth-child(n)</code>	an element that is the n-th sibling
<code>:nth-last-child(n)</code>	an element that is the n-th sibling counting from the last sibling
<code>:first-child</code>	an element that is the first sibling
<code>:last-child</code>	an element that is the last sibling
<code>:only-child</code>	an element that is the only child
<code>:nth-of-type(n)</code>	an element that is the n-th sibling of its type
<code>:nth-last-of-type(n)</code>	an element that is the n-th sibling of its type counting from the last sibling
<code>:last-of-type</code>	an element that is the last sibling of its type
<code>:first-of-type</code>	an element that is the first sibling of its type
<code>:only-of-type</code>	an element that is the only child of its type
<code>:empty</code>	an element that has no children
<code>:root</code>	root element within the document
<code>:not(x)</code>	an element not represented by the argument 'x'
<code>:target</code>	a target element as specified by a target in a UR

Pseudo-Element

<code>::first-letter</code>	Adds special style to the first letter of a text
<code>::first-line</code>	Adds special style to the first line of a text
<code>::before</code>	Inserts some content before the content of an element
<code>::after</code>	Inserts some content after the content of an element

Absolute Measurement

<code>%</code>	percentage
<code>cm</code>	centimeter
<code>in</code>	inch
<code>mm</code>	milimeter
<code>pc</code>	pica (1p = 12 points)
<code>pt</code>	point (1pt = 1/72 inch)
<code>px</code>	pixel (1px = 1/96 inch)

Relative Measurement

<code>ch</code>	width of the "0" glyph found in the font for the font size used to render
<code>em</code>	1em = current font size of current element
<code>ex</code>	x-height of the element's font
<code>gd</code>	the grid defined by 'layout-grid'
<code>rem</code>	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	mili-seconds
s	seconds

Frequency

Hz	hertz
kHz	kilo-hertz

Colors

<code>color name</code>	red, blue, green, dark green
<code>rgb(x,y,z)</code>	red = <code>rgb(255,0,0)</code>
<code>rgb(x%,y%,z%)</code>	red = <code>rgb(100%,0,0)</code>
<code>rgba(x,y,z,alpha)</code>	red = <code>rgba(255,0,0,0)</code>
<code>#rrggbb</code>	red = <code>#ff0000</code> (or shorthand - <code>#f00</code>)
<code>hsl(hue, saturation, lightness)</code>	red = <code>hsl(0, 100%, 50%)</code>
<code>flavor</code>	An accent color (typically chosen by the user) to customize the user interface of the user agent itself.
<code>currentColor</code>	computer value of the 'currentColor' keyword is the computed value of the 'color' property

Selector Types

Name	Info	Example
Universal	Any element	<code>* { font: 10px Arial; }</code>
Type	Any element of that type	<code>h1 { text-decoration: underline; }</code>
Grouping	Multiple elements of different types	<code>h1, h2, h3 { font-family: Verdana; }</code>
Class	Multiple elements of different types when you don't want to affect all instances of that type	<code>.sampleClass { text-decoration: underline; }</code>
Id	A single element type when you don't want to affect all instances of that type	<code>#sampleID { text-decoration: underline; }</code>
Descendant	An element that is below (in the document tree) another element - no matter how many levels	<code>#gallery h1 { text-decoration: underline; }</code>

	below	
Child	An element that is directly below (in the document tree) another element	<code>#title > p { font-weight: bold; }</code>
Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	<code>h1 + p { font-style: italic; }</code>
General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	<code>h1 ~ p { font-style: italic; }</code>
Attribute	An element that matches the attribute listed	<p><code>E[selected]</code> - att whatever the value</p> <p><code>E[att="val"]</code> - att with a specific value</p> <p><code>E[rel~="next"]</code> - att with a value is a whitespace separated list</p> <p><code>*[lang =“en”]</code> - att value either being exactly "val" or beginning with "val" immediately followed by</p> <p><code>-" E[att^="val"]</code> - att value that begins with the prefix "val"</p>

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`

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

url

attr

border-length

self

url

attr

content

normal | none | inhibit

url

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

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

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 | textafter-edge | ideographic | alphabetic | hanging |
mathematical

length

%

alignment-baseline

baseline | ise-script | beforeedge | text-before-edge | afteredge |
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-beforeedge

drop-initial-after-align

alignment-baseline

drop-initial-after-align

central | middle | after-edge | text-after-edge | ideographic | alphabetic | mathematical

%

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-height

`normal`

`number`

`length`

`%`

line-stacking

`line-stacking-strategy`

`line-stacking-ruby`

`line-stacking-shift`

line-stacking-strategy

`inline-line-height` | `block-lineheight` | `max-height` | `gridheight`

line-stacking-ruby

`exclude-ruby` | `include-ruby`

line-stacking-shift

`consider-shifts` | `disregardshifts`

line-stacking

`line-stacking-strategy`

`line-stacking-ruby`

`line-stacking-shift`

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

right

auto

%

length

clip

shape

auto

top

auto

%

length

left

auto

%

length

z-index

auto

Number

position

static | relative | absolute | fixed

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

Paged Media

fit

fill | hidden | meet | slice

fit-position

[top | center | bottom] || [left | center | right]

length

`%`

orphans

`integer`

image-orientation

`auto`

`angle`

page

`auto`

`identifier`

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`

`length`

windows

`integer`