
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 <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 | tranlateX | 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