
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

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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

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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)`

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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

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’
rem	the font size of the root element

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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

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"</p> <p>immediately followed by "-" <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

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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

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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

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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

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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

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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`