Beginner's Essential

CSS CHEAT SHEET

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

WebsiteSetup

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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

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>]

border-collapse

collapse | separate

border-image

image

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

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

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

color

length

unicode-bidi

normal | embed | bidi-override

white-space

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

white-space-collapse

perserve | 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-thorugh | blink

text-shadow

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

url

list-style-type

none | asterisks | box | check | circle | diamond | disc | hyphen |
square | decimal | decimalleading-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

`:active`	an activated element
`:focus`	an element while the element has focus
`: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 that is checked
`:selection`	an element that is currently selected or 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 last sibling of its type
`:first-of-type`	an element that is the first sibling of its type
`:only-of-type`	an element that is the only child of its 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 UR

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 the content of an element
`::after`	Inserts some content after the content of an element

Absolute Measurement

`%`	percentage
`cm`	centimeter
`in`	inch
`mm`	milimeter
`pc`	pica (1p = 12 points)
`pt`	point (1pt = 1/72 inch)
`px`	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

`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

`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(255,0,0,0)
`#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`	computer 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	`#gallery h1 { text-decoration: underline; }`

	below	
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 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 *[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"`

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

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

string string string string

string-set

identifier

content-list

text-replace

[<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

%

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