Beginner's Essential

CSS CHEAT SHEET

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

WebsiteSetup

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

%

none length%

none length

%

auto %

length

margin-top margin-right margin-

bottom margin-left

auto length

%

auto height

%

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

none | inherit number

font-family

serif | sans-serif | Font Name

font-style

normal | italic | oblique | inherit

font-variant

normal | small-caps | inherit

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

%

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

%

none 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

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

%

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

text-transform

none | capitalize | uppercase | lowercase

text-wrap

normal | unresrricted | none | suppress

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

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 | 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

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

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ICON

auto | inherit url

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>

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

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

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

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

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

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

auto string

marks

[crop || cross] | none

normal | here identifier

page-policy

start | first | last

string string string string

identifier content-list

[<string> <string>]+

LINE BOX

auto | baseline | before-edge | text-before-edge | middle | central | after-edge | textafter-edge | ideographic | alphabetic | hanging | mathematical length

%

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

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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

---

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-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