

CSS Basics Cheat Sheet

Inline styles

```
<tag style="property: value"> </tag>
```

Internal styles

```
<style type="text/css">
  div {
    color: #444;
  }
</style>
```

External CSS file

```
<link rel="stylesheet" type="text/css" href="/style.css" />
```

Syntax & Structure

```
selector {
  property: value;
  property2: value2;
  .....
  Property-n: value-n;
}
```

Common Selectors

*	<i>all elements</i>
div	<i>all div tags</i>
div,p	<i>all divs and paragraphs</i>
div p	<i>paragraphs inside divs</i>
div > p	<i>all p tags, one level deep in div</i>
div + p	<i>p tags immediately after div</i>
div ~ p	<i>p tags preceded by div</i>
.identifier	<i>all elements with identifier class</i>
# identifier	<i>element with identifier ID</i>
div. identifier	<i>divs with certain identifier name</i>
div# identifier	<i>div with certain ID</i>
# identifier *	<i>all elements inside # identifier</i>

Pseudo classes

a:link	<i>link in normal state</i>
a:active	<i>link in clicked state</i>
a:hover	<i>link with mouse over it</i>
a:visited	<i>visited link</i>
p::before{content:"Hello";}	<i>add content before p</i>
p::after{content:"World";}	<i>add content after p</i>

input:checked	<i>checked inputs</i>
input:disabled	<i>disabled inputs</i>
input:enabled	<i>enabled inputs</i>
input:focus	<i>input has focus</i>
input:in-range	<i>value in range</i>
input:out-of-range	<i>input value out of range</i>
input:valid	<i>input with valid value</i>
input:invalid	<i>input with invalid value</i>
input:optional	<i>no required attribute</i>
input:required	<i>input with required attribute</i>
input:read-only	<i>with read-only attribute</i>
input:read-write	<i>no read-only attribute.</i>
div:empty	<i>element with no children</i>
p::first-letter	<i>first letter in p</i>
p::first-line	<i>first line in p</i>
p:first-of-type	<i>first of some type</i>
p:last-of-type	<i>last of some type</i>
p:lang(en)	<i>p with en language attribute</i>
:not(span)	<i>element that's not a span</i>
p:first-child	<i>first child of its parent</i>
p:last-child	<i>last child of its parent</i>
p:nth-child(2)	<i>second child of its parent</i>
p:nth-child(3n+1)	<i>nth-child (an + b) formula</i>
p:nth-last-child(2)	<i>second child from behind</i>
p:nth-of-type(2)	<i>second p of its parent</i>
p:nth-last-of-type(2)	<i>from behind</i>
p:only-of-type	<i>unique of its parent</i>
p:only-child	<i>only child of its parent</i>
:root	<i>documents root element</i>
::selection	<i>portion selected by user</i>
:target	<i>highlight active anchor</i>

General Properties

align-content	<i>behavior of the flex-wrap property</i>
align-items	<i>alignment for items inside the container</i>
align-self	<i>alignment for the selected item</i>
all	<i>changes all properties</i>
animation	<i>binds an animation to an element</i>
animation-delay	<i>delays animation start</i>
animation-direction	<i>reverse animation or in alternate cycles</i>
animation-duration	<i>animation duration in seconds or ms</i>
animation-fill-mode	<i>style when the animation is not playing</i>
animation-iteration-count	<i>number of an animation replays</i>
animation-name	<i>name for the @keyframes animation</i>
animation-play-state	<i>the animation is running or paused</i>
animation-timing-function	<i>speed curve of an animation</i>
backface-visibility	<i>is element visible when not facing the screen</i>
background	<i>all background properties in one declaration</i>
background-attachment	<i>is the background image fixed or scrolls</i>
background-blend-mode	<i>blending mode of each background layer</i>
background-clip	<i>painting area of the background</i>
background-color	<i>background color</i>
background-image	<i>background image</i>
background-origin	<i>where the background image is positioned</i>
background-position	<i>starting position of the background image</i>
background-repeat	<i>the way the background image is repeated</i>

background-size	<i>background image size</i>
border	<i>sets all border properties in one line</i>
border-bottom	<i>bottom border properties in one line</i>
border-bottom-color	<i>color of the bottom border</i>
border-bottom-left-radius	<i>border bottom left radius</i>
border-bottom-right-radius	<i>border bottom right radius</i>
border-bottom-style	<i>border bottom style</i>
border-bottom-width	<i>border bottom width</i>
border-collapse	<i>border collapse</i>
border-color	<i>border color</i>
border-image	<i>sets an image as border</i>
border-image-outset	<i>border image area extends beyond the border box</i>
border-image-repeat	<i>border image repeated, rounded or stretched</i>
border-image-slice	<i>how to slice the border image</i>
border-image-source	<i>path to the border image</i>
border-image-width	<i>border image width</i>
border-left	<i>left border properties in one line</i>
border-left-color	<i>border left color</i>
border-left-style	<i>border left style</i>
border-left-width	<i>border left width</i>
border-radius	<i>border radius of the four rounded corners</i>
border-right	<i>right border properties in one line</i>
border-right-color	<i>border right color</i>
border-right-style	<i>border right style</i>
border-right-width	<i>border right width</i>
border-spacing	<i>border spacing</i>
border-style	<i>border style</i>
border-top	<i>top border properties in one line</i>
border-top-color	<i>border top color</i>
border-top-left-radius	<i>border top left radius</i>
border-top-right-radius	<i>border top right radius</i>
border-top-style	<i>border top style</i>
border-top-width	<i>border top width</i>
border-width	<i>border width</i>
bottom	<i>bottom offset for relative and absolute elements</i>
box-shadow	<i>shadow to element</i>
box-sizing	<i>box sizing properties</i>
caption-side	<i>placement of a table caption</i>
clear	<i>deny floating of an element</i>
clip	<i>clip an absolutely positioned element</i>
color	<i>text color</i>
column-count	<i>divide the content in columns</i>
column-fill	<i>balanced fill or not</i>
column-gap	<i>gap between the columns</i>
column-rule	<i>separator between columns, like border</i>
column-rule-color	<i>column rule color</i>
column-rule-style	<i>column rule style</i>
column-rule-width	<i>column rule width</i>
column-span	<i>column span</i>
column-width	<i>column width</i>
columns	<i>set column-width and column-count</i>
content	<i>insert content :before and :after elements</i>
counter-increment	<i>count sections</i>
counter-reset	<i>reset counter</i>
cursor	<i>cursor type when element is hovered</i>
direction	<i>writing direction, Arabic is using rtl</i>
display	<i>box display type</i>
empty-cells	<i>hide borders and background on empty table cells</i>

filter	<i>image effects: grayscale, blur, invert etc.</i>
flex	<i>item length, relative to others inside the container</i>
flex-basis	<i>initial length of a flexible item</i>
flex-direction	<i>direction of the flexible items</i>
flex-flow	<i>shorthand for flex-direction and flex-wrap</i>
flex-grow	<i>how much the item will grow relative other items</i>
flex-shrink	<i>how to shrink the item relative to other items</i>
flex-wrap	<i>wrap flexible items</i>
float	<i>float elements left or right</i>
font	<i>all font properties in one line</i>
@font-face	<i>declare non-web-safe fonts</i>
font-family	<i>font of the element</i>
font-size	<i>font size</i>
font-size-adjust	<i>control font size if the first declared option is not available</i>
font-stretch	<i>widen or narrow text</i>
font-style	<i>font style: normal, italic, oblique</i>
font-variant	<i>set small-caps</i>
font-weight	<i>use bold or thin characters</i>
hanging-punctuation	<i>can a punctuation mark be placed outside the line box?</i>
Height	<i>height of the element</i>
justify-content	<i>justifies flexible container's items horizontally if necessary</i>
@keyframes	<i>specifies the animation code</i>
Left	<i>left offset for relative and absolute elements</i>
letter-spacing	<i>space between characters</i>
line-height	<i>line height of text or inline-block elements</i>
list-style	<i>all list properties in one line</i>
list-style-image	<i>replace the list item marker with an image</i>
list-style-position	<i>list item markers inside or outside the content flow</i>
list-style-type	<i>set the type of the list item marker</i>
margin	<i>set the top, right, bottom and left margins in one line</i>
margin-bottom	<i>bottom margin</i>
margin-left	<i>left margin</i>
margin-right	<i>right margin</i>
margin-top	<i>margin top</i>
max-height	<i>maximum height of element</i>
max-width	<i>maximum width of element</i>
@media	<i>see media queries</i>
min-height	<i>minimum height</i>
min-width	<i>minimum width</i>
nav-down	<i>where to navigate when the the arrow-down button is pressed</i>
nav-index	<i>sets sequential navigation order</i>
nav-left	<i>where to navigate when the the arrow-left button is pressed</i>
nav-right	<i>where to navigate when the the arrow-right button is pressed</i>
nav-up	<i>where to navigate when the the arrow-up button is pressed</i>
opacity	<i>transparency level of an element</i>
order	<i>reorder elements in a container</i>
outline	<i>draw an outer border around elements</i>
outline-color	<i>outline color</i>
outline-offset	<i>gap between the element and the outline</i>
outline-style	<i>outline style</i>
outline-width	<i>outline width</i>
overflow	<i>hide, display or scroll if the content overflows its container</i>
overflow-x	<i>horizontal overflow</i>
overflow-y	<i>vertical overflow</i>
padding	<i>padding between the element border and content</i>
padding-bottom	<i>padding bottom</i>
padding-left	<i>padding left</i>
padding-right	<i>padding right</i>

padding-top	<i>padding top</i>
page-break-after	<i>adds page break after an element</i>
page-break-before	<i>adds page break before an element</i>
page-break-inside	<i>allow page break inside an element</i>
perspective	<i>how many pixels the 3D element is placed from the view</i>
perspective-origin	<i>where is the 3D element based in the x- and y-axis</i>
position	<i>positioning type: absolute, fixed, relative, static</i>
quotes	<i>set quotation marks to wrap an element</i>
resize	<i>declare resizable elements</i>
right	<i>right offset for relative and absolute elements</i>
tab-size	<i>tab character space length</i>
table-layout	<i>table layout algorithm</i>
text-align	<i>horizontal alignment of text</i>
text-align-last	<i>horizontal alignment of last line of text</i>
text-decoration	<i>underline, underline or line-through the text</i>
text-indent	<i>indentation of the first line of the text</i>
text-overflow	<i>the way how overflowed content is marked (ellipsis)</i>
text-shadow	<i>text shadow</i>
text-transform	<i>capitalization of text</i>
top	<i>top offset for relative and absolute elements</i>
transform	<i>2D 3D transformation. See widget.</i>
transform-origin	<i>changes the position of transformed elements</i>
transform-style	<i>render nested elements in 3D</i>
transition	<i>transition properties in one line</i>
transition-delay	<i>delay before transition effect start</i>
transition-duration	<i>transition effect duration</i>
transition-property	<i>which CSS property is the transition affecting</i>
transition-timing-function	<i>speed curve of the transition</i>
unicode-bidi	<i>should the text be overridden to support more languages</i>
user-select	<i>disable user content selection</i>
vertical-align	<i>vertical alignment</i>
visibility	<i>visibility:hidden elements leave a gap</i>
white-space	<i>how are white-spaces handled</i>
width	<i>width of an element</i>
word-break	<i>text breaking rules when text reaches the end of the container</i>
word-spacing	<i>size of white space between words</i>
word-wrap	<i>break long words and wrap onto the next line</i>
z-index	<i>stack order of the element</i>

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