

CSS CHEATSHEET

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Swipe →

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WHAT IS CSS?

- CSS stands for Cascading Style Sheets.
- CSS is used to style and layout web pages by controlling their visual appearance and design.

SYNTAX

```
selector {  
    property : value ;  
}
```

SELECTORS

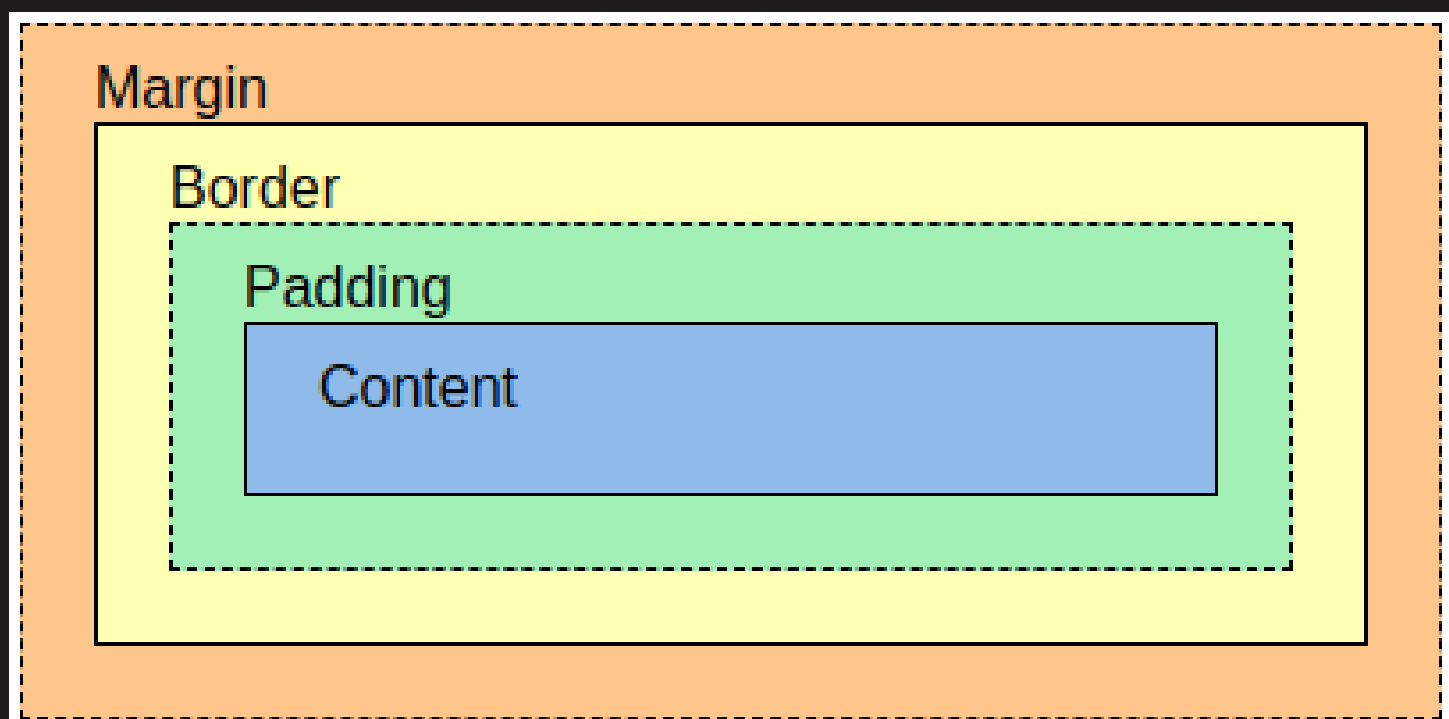
- ***** Universal selector
- **element** Type selector
- **.class** Class selector
- **#id** ID selector
- **element, element** Group selector
- **element element** Descendant selector
- **element > element** Child selector
- **element + element** Adjacent sibling selector
- **element ~ element** General sibling selector

UNITS

%	Percentage
cm	Centimeter
in	Inch
mm	Millimetre
pc	Pica (1 pica = 12 points)
pt	Point (1 point = 1/72 inch)
px	Pixel (1 pixel = 1/96 inch)
ch	width of O character in font being used.
ex	X-hieght of element's font
em	1 em = current font size
gd	grid defined by layout grid
rem	Font size of the root element
vh	Viewport's height
vw	Viewport's width
vm	Smaller of viewport's height or width

BOX MODEL

```
.element {  
  width : 100px;  
  height : 100px;  
  padding : 10px;  
  border : 1px solid black;  
  margin : 20px;  
}
```



TEXT

color: #333; // Text color

font-size: 16px; // Text size

font-family: Arial; // Font

font-weight: bold; // Font weight

text-align: center; // Aligns the text

text-decoration: underline; // Adds decoration to text

text-transform: uppercase; // Transforms the text

BACKGROUND

background-color: #f0f0f0; // color of background

background-size: cover; // size of background

background-image: url(image.jpg); // background image

background-repeat: no-repeat; // background repetition

background-position: center; // background position

FLEXBOX

```
.element {  
  display: flex;    // Defines a flex container  
  align-items: center; // Aligns items to center horizontally  
  justify-content: center; // Aligns items to center vertically  
  flex-direction: row; // direction of the items  
  flex-wrap: wrap; // determines whether items wrap  
}  
  
.child {  
  flex: 1; // sets how a flex item will grow  
}
```

GRID

```
display: grid; // Enables Grid  
display-template-columns: // Define columns  
display-template-rows: // Define rows  
grid-gap: // space between grid items  
grid-row: // item's size and location within a grid row  
grid-column: // item's size and location within grid column
```

DISPLAY AND POSITION

display: block | inline | inline-block | none | flex | grid

position: static | relative | absolute | fixed | sticky

top, left, right, bottom: positioning offsets

BORDER AND OUTLINE

border: border-width border-style border-color

border-radius: Rounding corners

outline: Outline around the elements

box-shadow: Shadow around the elements

PSEUDO-CLASSES AND PSUEDO ELEMENTS

:hover // applied when an element is hovered

:focus // applied when the element is focused

:active // applied when the element is activated

::before // inserts content before element's content

::after // inserts content after element's content

MISCELLANEOUS

opacity // Transparency level of an element

overflow visible | hidden | scroll | auto

z-index stacking order of positioned elements

cursor Mouse's cursor to be displayed

TRANSITION AND ANIMATION

```
.transition {  
  transition:  all 0.3s ease;      // Transition effect  
}  
  
.animation {  
  animation:  anim 0.3s infinite;  
}  
  
@keyframes anim {  
  from { background-color: red; }  
  to { background-color: aqua; }  
}
```

MEDIA QUERIES

```
@media ( max-width: 600px ) {  
  .responsive{  
    background-color: lightblue;  
  }  
}
```