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DEV TIPS

# Complete CSS In 10 Slides



 *Complete Tutorial Of CSS →*

Developer With Coffee  
@developerwithcoffee

Brought to you by  
DWC @ 2021

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## CSS - Cascading Style Sheets

- Used to give styles to web page.
- It selectively styles HTML documents.
- CSS files are saved as **.css** extension.

### FORMAT -

Selector



**p** {

}

**color**: **red**;



Property



Value








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## SELECTOR -

- Way to select any HTML element
- 5 ways for selector are present

Type	Class	ID	Attribute	Pseudo
 <code>h1 { }</code>	 <code>.box { }</code>	 <code>#para { }</code>	 <code>a[title] { }</code>	 <code>a:hover { }</code>

## COMBINATORS -

- Used to combine more selectors
- Denoted by ">"

  
`article > p { }`



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## TEXT & FONT -

- Text color 🖱️ **color: red;**
- Change font 🖱️ **font-family: sans-serif;**
- Change font size 🖱️ **font-size: 16px;**
- Change boldness 🖱️ **font-weight: bold;**
- Change font style 🖱️ **font-style: italic;**
- Decorate text (useful for anchor tag) 🖱️ **text-decoration: none;**
- Transformation of text 🖱️ **text-transform: uppercase;**
- Give text shadow 🖱️ **text-shadow: 4px 4px 3px blue;**
- Text alignment 🖱️ **text-align: center;**
- Change spacing in text 🖱️ **letter-spacing: 4px;**
- There are a lot more but these are often used.

To add images through **CSS** -



```
background: url(cat.png);
```



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To include **CSS in HTML** file -



#### INLINE

```
<p style="color: blue">  
  Some text  
</p>
```



#### INTERNAL

```
<style>  
  p { color: blue; }  
</style>
```



#### EXTERNAL

```
/* Add in <head> tag */  
<link rel="stylesheet" href="styles.css">  
/* which contains following */  
p { color: red; }
```

## UNITS -

- Absolute lengths 🖱️ cm, mm, in, **px**, pt, pc
- Relative lengths 🖱️ **em**, **rem**, ch, **vw**, **vh**, vmin, vmax, %

## COLORS -

- RGBA 🖱️ `rgba(255, 254, 105, 1)`
- HEX 🖱️ **#ff2892**
- HSL 🖱️ `hsl(9, 100%, 64%)`





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## BORDER -

- Set border width 👉 **border-width: 5px;**
- Change border style 👉 **border-style: solid;**
- Change border color 👉 **border-color: red;**
- Shorthand of above 👉 **border: 5px solid red;**

## LINK states -

- Some pseudo-classes are there to change the behavior of links.
- **a:link { ... }** 👉 Not visited link
- **a:visited { ... }** 👉 Visited link
- **a:hover { ... }** 👉 On hovering
- **a:focus { ... }** 👉 Focused link (by pressing tabs)
- **a:active { ... }** 👉 Activated link (clicked on)

## LIST -

- We can change the default list numberings or bullets with images.
- List item marker 👉 **list-style-image: url("pen.jpg");**
- Marker position 👉 **list-style-position: inside;**
- Sets marker 👉 **list-style-type: circle;**

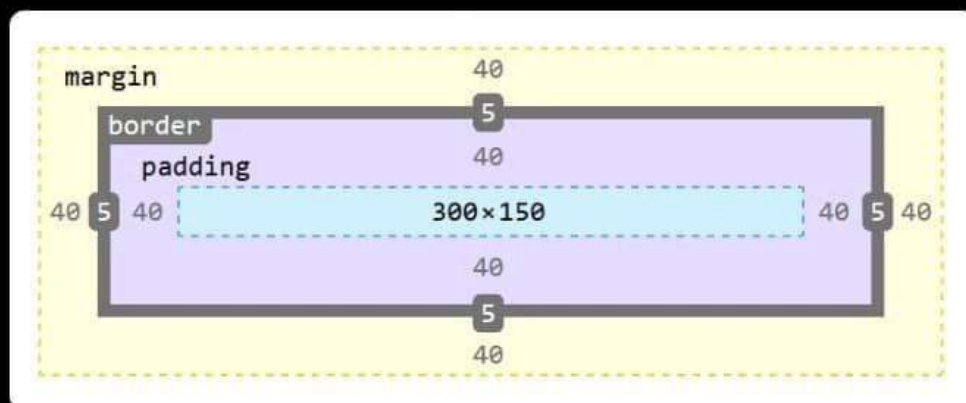


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## BOX-MODEL -

- Everything in CSS has a box around it.
- **Margin** lies outside the content box.
- **Border** lies on the border of the box.
- **Padding** lies inside the box.



## POSITION -

- Sets how an element is positioned in a document.
- Position is altered with **top, bottom, right, left** keyword.
- Various values of position for different purposes.

static

relative

absolute

fixed

sticky

inherit

initial

revert

unset



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## FLEXBOX -

- Sets how a flex item will grow or shrink in flex container.
- A lot of concept to learn - one of the vast topic in CSS



```
display: flex;
```

flex

flex-grow

flex-shrink

flex-basis

flex-direction

flex-wrap

align-items

justify-content

align-self

## GRID -

- Handles 2D structure in rows & columns
- Vast topic in CSS



```
display: grid;
```

grid-column

grid-row

gap

grid

grid-template

grid-area

repeat

minmax

justify-content

align-items

place-items





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## MEDIA QUERY -

- Modify your site or app depending on a device type.
- Starts with **@media** then properties to be modified.

```
⬢ ⬢ ⬢  
  
@media (max-width: 12450px) {  
    ...  
}
```

There is a lot of topic which is outside the scope of this post. Try grasping these fundamental things first and then switch to the advanced stuffs.

🧐 I hope I was able to make it to the point.