DEV TIPS

Complete CSS In 10 Slides

📘 *Complete Tutorial Of CSS →*

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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
● ● ● `h1 { }`	● ● ● `.box { }`	● ● ● `#para { }`	● ● ● `a[title] { }`	● ● ● `a:hover { }`

COMBINATORS -

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

● ● ●

`article > p { }`

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 oftenly used.

To add images through **CSS** -

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

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;**
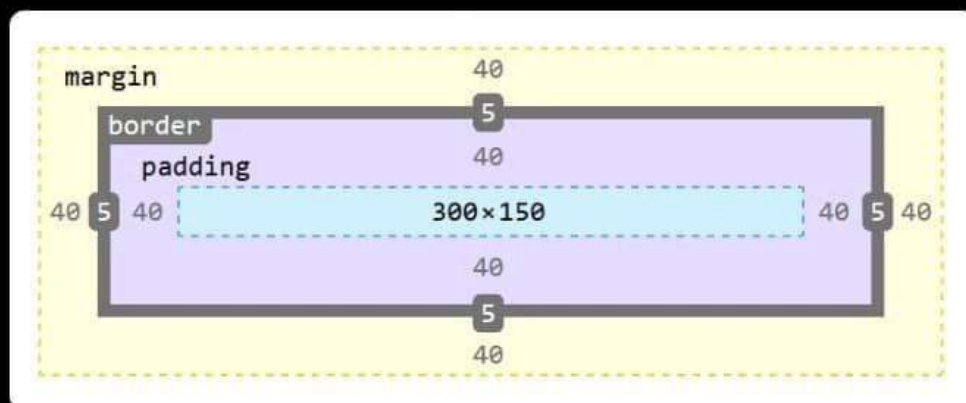- Sets marker 👉 **list-style-type: circle;**

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

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.

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