

CSS

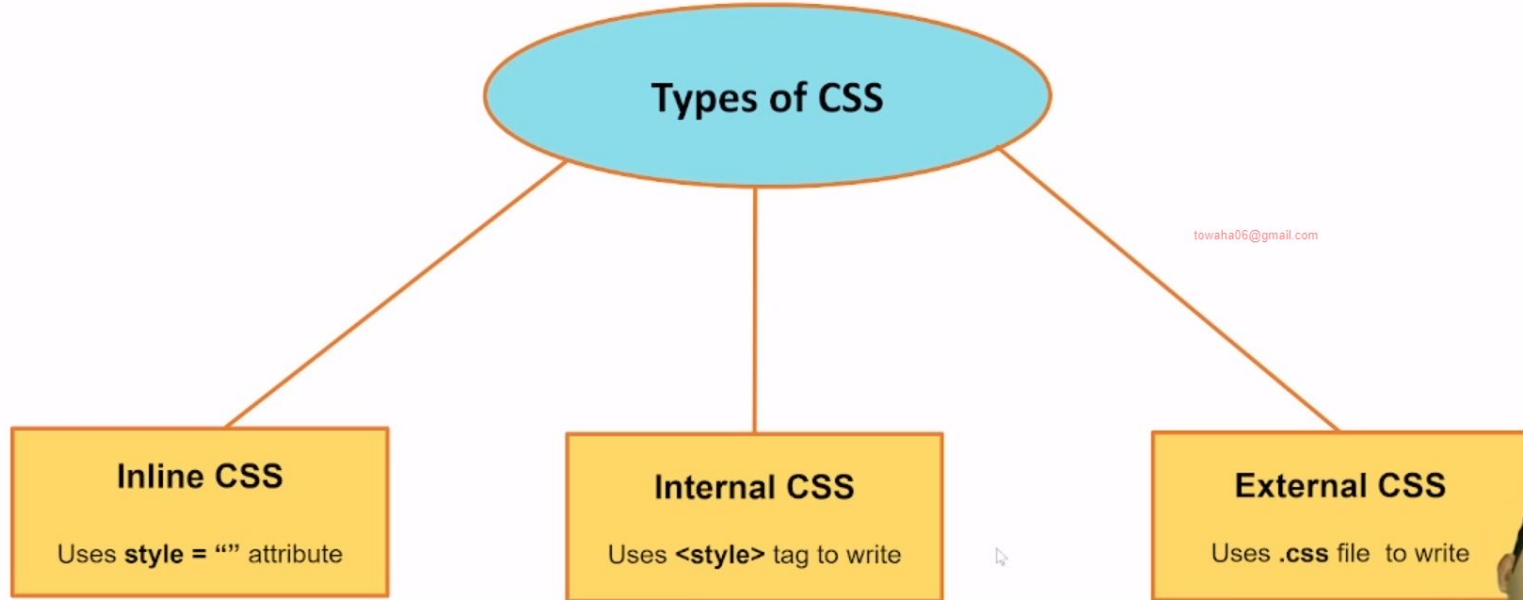


BASIC CSS: SUMMARY

MISSION, GOAL



3 Ways to Use CSS



towaha06@gmail.com



Pro



How to write CSS in 3 ways?

Inline CSS

```
<p style="color:blue">I have started a new journey.</p>
```

Internal CSS

```
<head>
  <style>
    h1{
      color: rgb(240, 161, 132);
    }
  </style>
</head>
```

towaha06@gmail.com



Pro



How to write CSS in 3 ways?

External CSS

towaha06@gmail.com

```
h2{  
  background-color: blueviolet;  
}
```

index.css

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

index.html



Pro



CSS Syntax

selector

↓
button {

What are you selecting?

What element do you want to apply CSS to e.g. button

color: lightblue;

}
towah6@gmail.com

property

↑
value

What's the value?

Properties have specific values that are applicable e.g, lightblue.







What's the property?

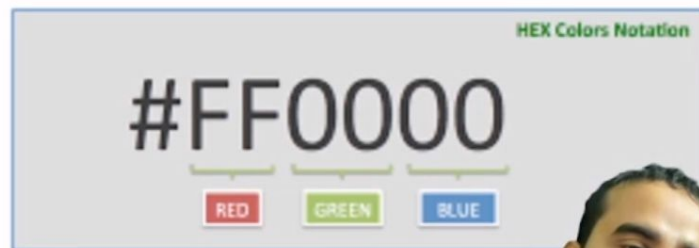
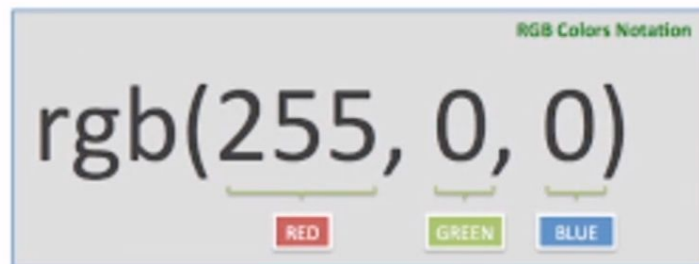
What are you trying to change? e.g. color



Pro

Different types of color/ background color

| Color | HTML / CSS Color Name | Hex Code #RRGGBB | Decimal Code (R,G,B) |
|---|-----------------------|------------------|----------------------|
|  | coral | #FF7F50 | rgb(255,127,80) |
|  | tomato | #FF6347 | rgb(255,99,71) |
|  | orangered | #FF4500 | rgb(255,69,0) |
|  | gold | #FFD700 | rgb(255,215,0) |
|  | orange | #FFA500 | rgb(255,165,0) |
|  | darkorange | #FF8C00 | rgb(255,140,0) |



Text Alignment

text-align property

to wah a 0 6 @ g m a i l . c o m

text-align: left;

The course is designed for students as well as working professionals to prepare for coding interviews. This course is going to have coding questions from school level to the level needed for product based companies like Amazon, Microsoft, Adobe, etc.

text-align: right;

The course is designed for students as well as working professionals to prepare for coding interviews. This course is going to have coding questions from school level to the level needed for product based companies like Amazon, Microsoft, Adobe, etc.

text-align: center;

The course is designed for students as well as working professionals to prepare for coding interviews. This course is going to have coding questions from school level to the level needed for product based companies like Amazon, Microsoft, Adobe, etc.

text-align: justify;

The course is designed for students as well as working professionals to prepare for coding interviews. This course is going to have coding questions from school level to the level needed for product based companies like Amazon, Microsoft, Adobe, etc.



Some examples of text decoration

```
h1 {  
  text-decoration: overline;  
}
```



This is a text

```
h1 {  
  text-decoration: underline;  
}
```



This is a text

towaha06@gmail.com

```
h1 {  
  text-decoration: line-through;  
}
```



This is a text



Pro...ro



Some examples of text decoration

```
h1 {  
  text-decoration: underline wavy orange;  
}
```



This is a text

```
h1 {  
  text-decoration: underline dotted red;  
}
```



This is a text

towaha06@gmail.com



CSS Background Color

you can set background of various HTML elements:

towaha06@gmail.com

- The **background-color** property is used to set the background color of an element

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>HTML Background Color</title>
5   </head>
6   <body style="background-color: lightgreen;">
7     <h1>HTML Background Color</h1>
8     <p>Using CSS style.</p>
9   </body>
10 </html>
```

HTML Background Color

Using CSS style.



CSS Background Image and Size

to wah a 06 @ gmail . com

- The **background-image** property is used to set the background image of an element.
- The **background-size** property is used to adjust of a background image.

background-size : cover/contain/auto;

You can use background-size in **3 ways**:

- ☐ use the Cover / Contain value
- ☐ set the image width and height
- ☐ use auto

Cover



Contain



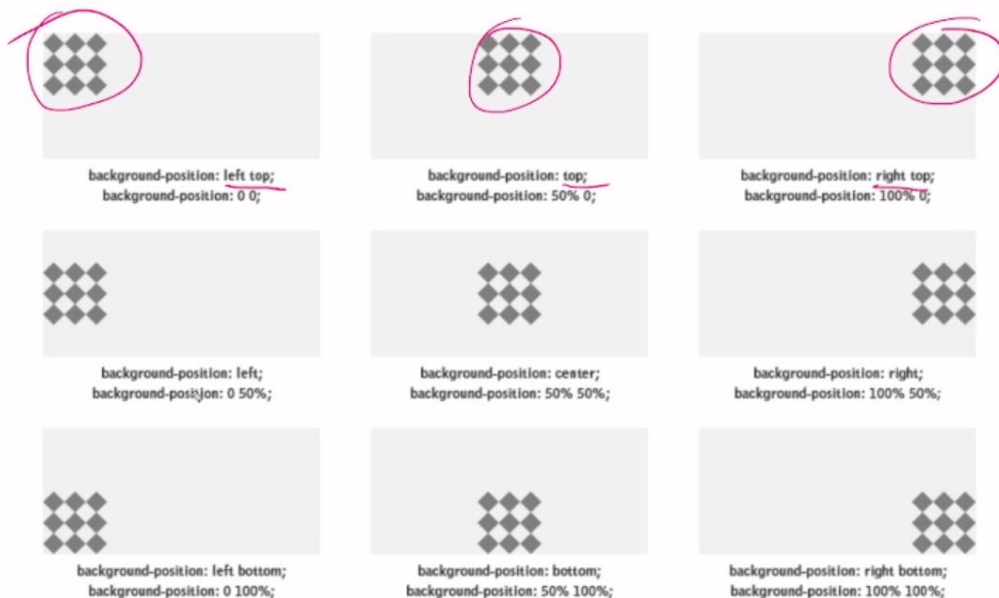
Programmer zero



CSS Background Position

towaha06@gmail.com

The **background-position** property is used to control the position of an image in the background.



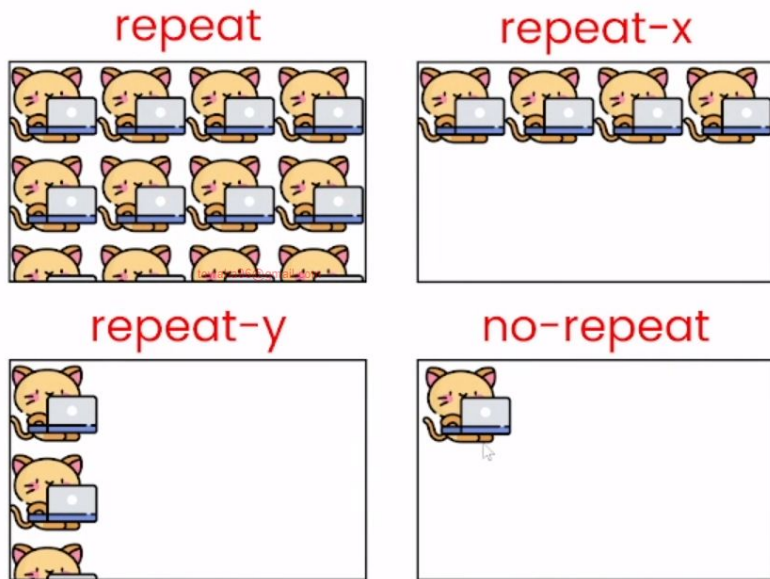
Pro

@



CSS Background Repeat

The **background-repeat** property is used to control the repetition of an image in the background.



Pro



5 Types of CSS Selectors

There are 5 varieties of CSS Selectors available for us. We will be looking at the following important CSS Selectors:

1. **CSS Universal Selector** - The CSS universal selector selects all the elements on a webpage.



towaha06@gmail.com



5 Types of CSS Selectors

3. **CSS ID Selector** - ID selector matches every HTML element having an ID attribute with the value the same as that of the selector, without the hash sign.

```
#box {  
  width: 90px;  
  margin: 10px;  
}
```

```
<div id="box"></div>
```



5 Types of CSS Selectors

4. **CSS Class Selector** - The class selector searches for every element having an attribute value with the same name as the class name, without the dot.

to wah a 0 6 @ g m a i l . c o m

```
.square {  
  margin: 20px;  
  width: 20px;  
}
```

```
<div class="square"></div>
```



Pro



5 Types of CSS Selectors

5. **CSS Attribute Selector** - The CSS Attribute selector styles content according to the attribute and the attribute value mentioned in the square brackets. **No spaces** can be present ahead of the opening third bracket.

```
input[type="text"] {  
    background-color: #fff;  
    width: 100px;  
}
```

```
<input type="text">
```



Pro



ID VS CLASS

| ID | CLASS |
|---|--|
| <ul style="list-style-type: none">Each element can have only one ID | <ul style="list-style-type: none">You can use the same class on multiple elements. |
| <ul style="list-style-type: none">an ID selector is a name preceded by a hash character ("#"). | <ul style="list-style-type: none">a class selector is a name preceded by a full stop ("."). |



Pro



ID VS CLASS

```
<p id="hero">  
  Welcome to Programming-hero  
</p>
```

```
<style> howatn00@gmail.com  
  #hero{  
    color: green;  
    font-size:25px;  
  }  
</style>
```

```
<p class="hero">  
  Welcome to Programming-hero  
</p>
```

```
<style>  
  .hero{  
    color: green;  
    font-size:25px;  
  }  
</style>
```



Pro Hero



CSS Margin and Padding

```
p { margin: 10px 20px 30px 40px; }
```



```
p { margin: 10px 20px 30px; }
```



```
p { margin: 10px 20px; }
```



```
p { margin: 20px; }
```



```
p { padding: 10px 20px 30px 40px; }
```



```
p { padding: 10px 20px 30px; }
```



```
p { padding: 10px 20px; }
```



```
p { padding: 20px; }
```



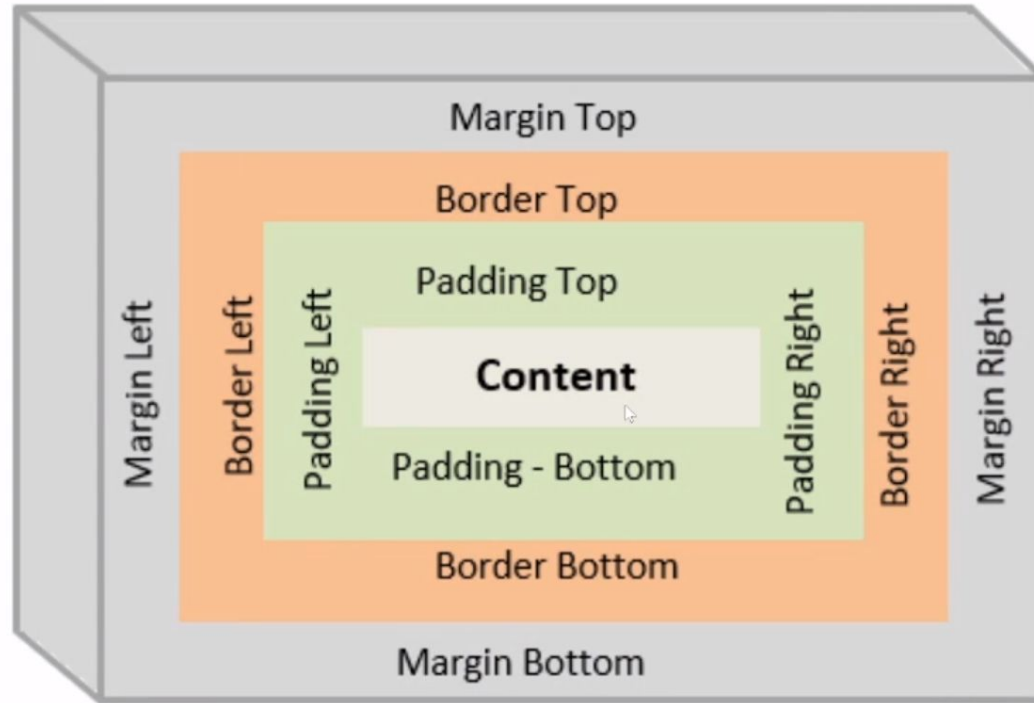
towaha06@gmail.com



Pro...ro



CSS BOX MODEL



towaha06@gmail.com



Pro Hero



CSS BOX MODEL

```
div {  
  width: 320px;  
  padding: 10px;  
  border: 5px solid gray;  
  margin: 0;  
}
```

Width

The total width of an element should be calculated like this:

Total element width = **width** + **left padding** + **right padding**
+ **left border** + **right border**
+ **left margin** + **right margin**

Height

The total height of an element should be calculated like this:

Total element height = **height** + **top padding** + **bottom padding**
+ **top border** + **bottom border**
+ **top margin** + **bottom margin**



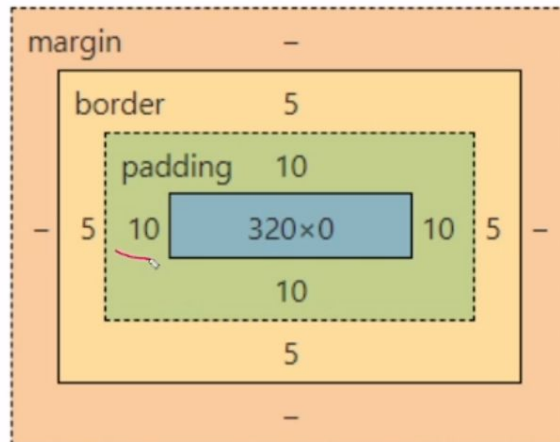
Pro to



CSS BOX MODEL

```
div {  
  width: 320px;  
  padding: 10px;  
  border: 5px solid gray;  
  margin: 0;  
}
```

towaha06@gmail.com



Pro
@



Display: inline, block, inline-block

The diagram illustrates three CSS display properties: `display: block`, `display: inline`, and `display: inline-block`.

- display: block:** Elements are stacked vertically. The example shows four blocks: "Content", "Content example", "Content test", and "Content".
- display: inline:** Elements are placed side-by-side on the same line. The example shows two rows of two blocks each: "Content" and "Content example" in the first row, and "Content test" and "Content" in the second row.
- display: inline-block:** Elements are placed side-by-side on the same line, but they maintain their block-like structure. The example shows three blocks: "Longer example content", "Longer example content", and "Longer example content".



Your Today's **Tasks**

- ☐ Watch all the videos actively & practise **by yourself**.
- ☐ Practise again but in a **reverse way**
- ☐ Apply styles on your HTML elements using the **inline**, **internal** and **external css**
- ☐ Note down the points you think are necessary to remember towaha06@gmail.com
- ☐ **Search on Google** and explore more about CSS properties
- ☐ Apply the CSS properties you have learnt from the Google on your code (Optional)



Pro...ro

