

Chapter 2 Colors and Background

CSS rules are simple key value pairs with a selector. We can write css rules to change color and set backgrounds.

The Color property

The color property can be used to set the text color inside an elements.

```
P{  
Color:red;  
}
```

Similarly we can set color for different elements.

Types of color values

Following are the most commonly used color values in css.

- (RGB) specify color using red, green ,blue values e.g. rgb(200,20,33)
- (HEX code) specify color using hex code.
- (HSL (hue saturation lightness)) specify the code using hsl values e.g. hsl(5,33%,33%)

The value of the color or background color is provided as any one of these values.

Note: We also have an RGBA and HSIA values for color but they are rarely used by beginners a stands for alpha.

The background color property

The CSS background color property specifies the background color of a container.

For e.g.

```
.blue{  
Background-color:blue;  
}
```

The background Image property

Used to set an image as the background.

```
Body{  
Background-image:url("profile.png");  
}
```

The image by repeated in x and y direction.

The background repeat property

Can be any of.

Repeat-x repeat in horizontal direction.

Repeat-y repeat in vertical direction.

No repeat image not repeat.

The background size property

Can be following.

Cover ----- > fits and no empty space remains.

Contain ----- > fits and image is fully visible.

Auto ----- > Display in original size.

{{ width }} ----- > Set width and height will be set automatically.

{{ width }} {{ height }} ----- > set width and height.

Note : always check the MDN docs to dissect a given css property.
Remember, practice will make you perfect.

The background position property

Set the starting position of a background image.

```
Div{  
Background – position: left top;  
}
```

The background position attachment property

Defines a scrollable/ non scrollable character of a background image.

```
Divz{  
Background – attachment: fixed;  
}
```

The background shorthand

A single property to set multiple background properties.

```
Div 3{  
Background: red url (“profile.png”) no-repeat fixed right top;  
}
```

One of the properties can be missing given the others are in order.

Source Code:

```
<!DOCTYPE html>  
<html lang="en">
```

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Color and Background</title>
  <style>
    .container {
      /* background-color: rgb(35, 153, 153);
      color: wheat;
      */
    }

    body {
      background-image: url(profile.png);
      background-repeat: repeat-x;
      background-repeat: repeat-y;
      background-repeat: no-repeat;
      background-size: cover;
      background-size: contain;
      background-size: 240px 303px;
      background-position: top center;
      background: red url("profile.png") no-repeat fixed top right;
    }

    * {
      margin: 0;
      padding: 0;
    }
  </style>
</head>

<body>
  <div class="container">
    Lorem ipsum dolor sit amet consectetur, adipisicing elit. Reprehenderit,
    officiis necessitatibus laudantium veniam laborum rem accusamus aliquam et
    excepturi. Iste impedit in dolor velit consectetur voluptatem corporis iusto quis
    esse!
  </div>
</body>

</html>

</html>
```

Thank You

