

# CHAPTER 3 – BACKGROUNDS & COLORS

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 CSS color property can be used to set the text color inside an element.

*e.g. - p{*

```
color:red;    → Text color will be changed to red.  
}
```

Similarly, we can set color for different elements.

## Types of Color Values

Following are the most commonly use color values in CSS.

1. RGB → Specify color using Red, Green, Blue values in CSS.

2. HEX Code → Specify color using HEX code.

e.g.- #ff7180

3. HSL → Specify the color using HSL values.

e.g.- hsl(8,90%,63%)

Hue, Saturation, Lightness

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

**Note** : We also have an RGBA & an HSLA 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.

e.g.- *.brown{*  
*background-color:brown;*  
*}*

can be other types of colors as well

## **The Background – Image Property**

Used to set an image as the background.

e.g.- *body{*  
*background-image:url("harry.jpg") }*

The image is by default repeated in x & y directions

## **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

See more possible values at MDN docs

## **The Background – Size Property**

Can be following :

- Cover → fits & no empty space remains
- Contains → fits & image is fully visible
- Auto → display in original size
- {{width}} → set width & height will be set automatically.
- {{width}}{{height}} → set width & height

**Note** : Always check the MDN docs to direct a given CSS property. Remember, practice will make you perfect.

## The Background – Position Property

Sets the starting position of a background image.

e.g.- *div1{*

```
background - position: left top;  
}
```



## The Background – Attachment Property

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

e.g.- *div2{*

```
background - attachment: fixed }
```

## The Background – Shorthand Property

A single property to set multiple background properties.

e.g.- *div3{*

```
background: red url("img.png") no-repeat fixed right top;  
}
```

color

image

repeat

attachment

position

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