

Day 8 background Properties

CSS Backgrounds

The CSS background property helps set the background style, property, and effects of the element.

There are various background properties, such as:

Background color

The background color property sets the background colour of HTML tags such as div, section, p, etc.

Syntax:

```
selector{
    background-color: color;
}
```

Copy

Note: Color can be hex, rdb, hsl, etc. To learn more about colors, follow the [CSS Colour Tutorial](#).

Example:

```
<html><head><style>
    div{
        background-color: yellow;
    }
    h1{
        background-color: #FF0000;
    }
    p{
        background-color: orange;
    }
    span{
        background-color: purple;
    }
</style>

```

```
</style></head><body><div><h1>CodeWithHarry</h1><p>Developer and founder of <span>CodeWithHarry.com</span></p></div></body></html>
```

Copy

Output:



Background Image

The Background Image property sets an image as a background by providing the image URL within the **url()** function.

Syntax:

```
selector{
    background-image: url('image-url');
}
```

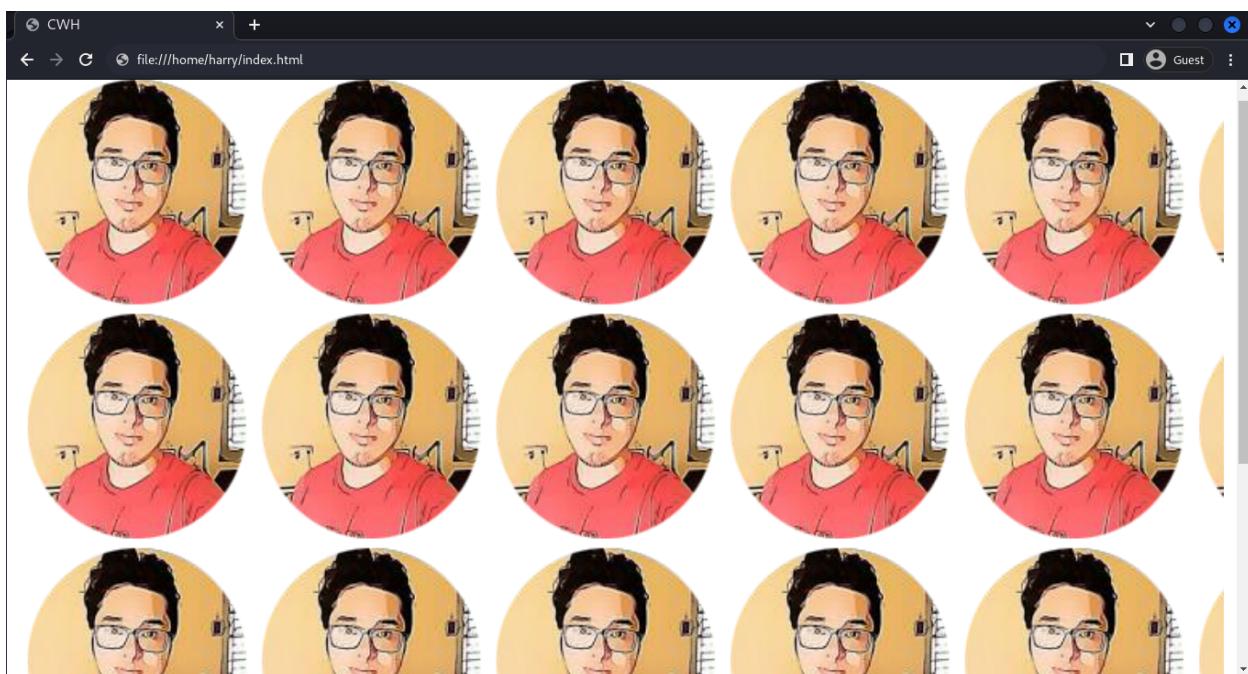
Copy

Example:

```
<style>
  div{
    background-image: url('harrybhai.png');
  }
</style>
```

Copy

Output:



The image is repeated many times because CSS repeats the image on both the x and y axes, to avoid leaving empty spaces due to the image dimensions. To solve this issue, use the background property repeat.

Background repeat

Background repeat helps to control how the image will repeat.

Syntax

```
selector{
  background-repeat: repeat-x || repeat-y || repeat || no-repeat;
```

```
}
```

Copy

background-repeat can be set to repeat, no-repeat, repeat-x (horizontal), or repeat-y (vertical).

repeat-x

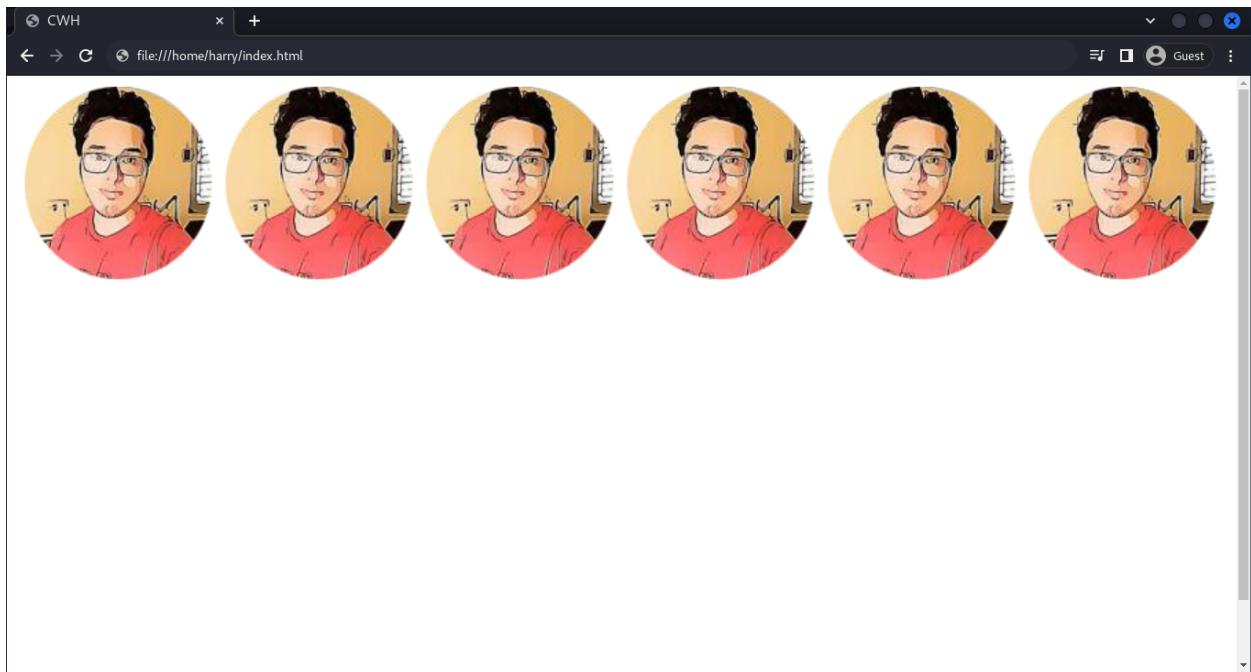
repeat the image in the x direction or horizontally repeat the image.

Syntax:

```
selector{
    background-repeat: repeat-x;
}
```

Copy

Example:



repeat-y

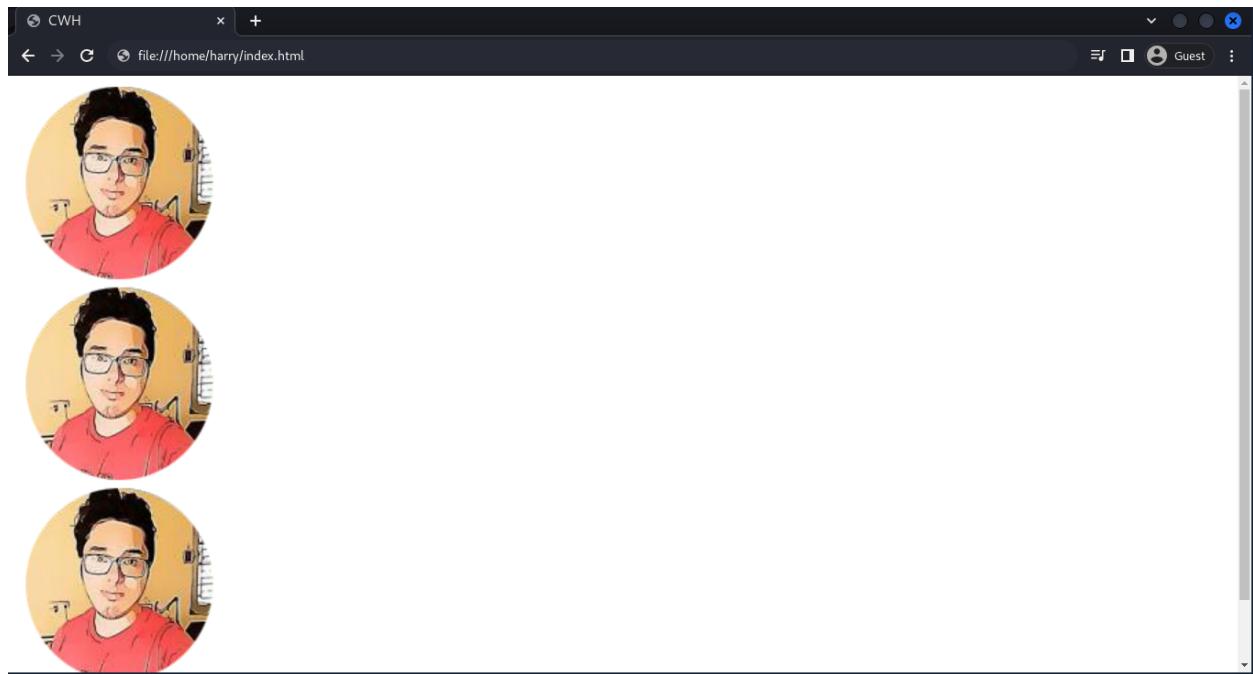
repeat the image in the y direction or vertically repeat the image.

Syntax:

```
selector{  
    background-repeat: repeat-y;  
}
```

Copy

Example:



repeat

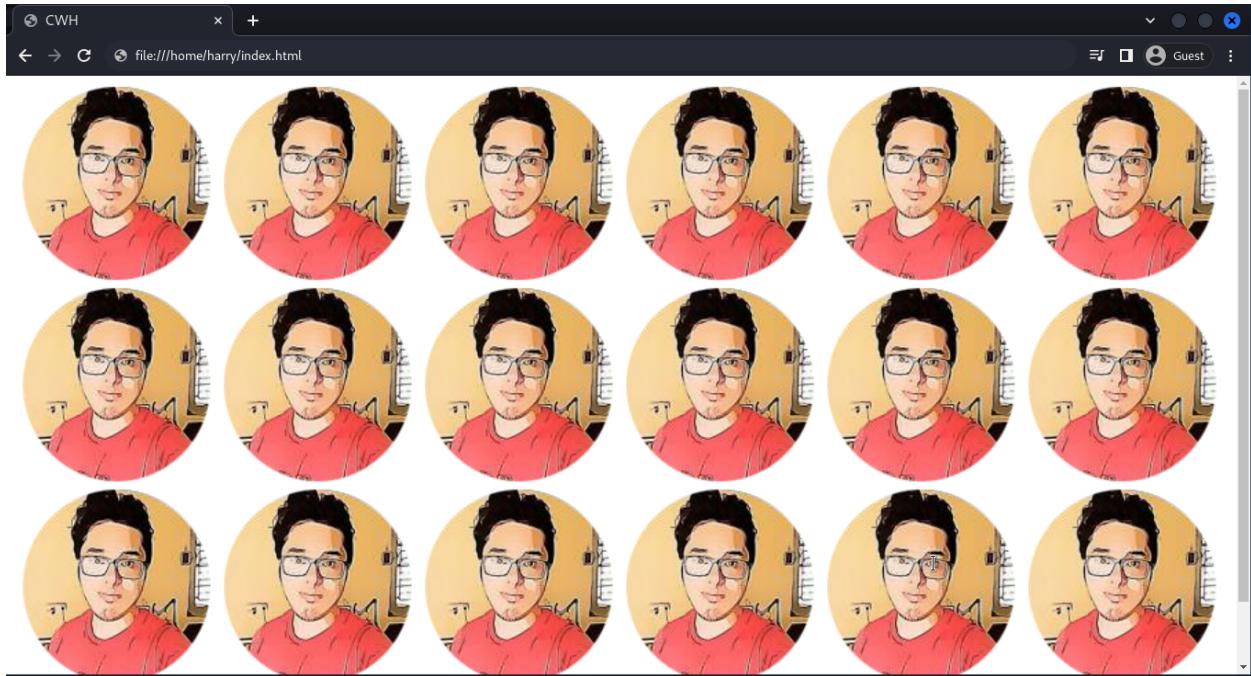
The background image is repeated in both the x and y directions. This is the default.

Syntax:

```
selector{  
    background-repeat: repeat;  
}
```

Copy

Example:



no-repeat

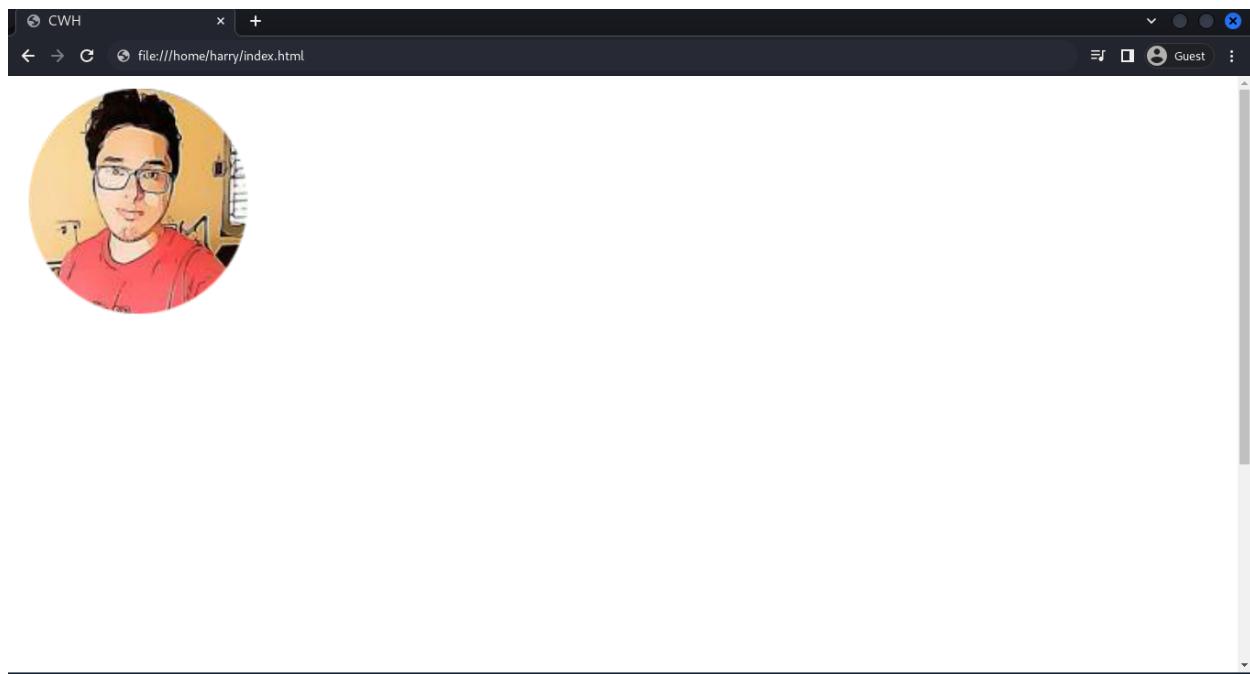
The background image is not repeated in any direction. Only one image will be on the screen.

Syntax:

```
selector{  
    background-repeat: no-repeat;  
}
```

Copy

Example:



Background Size

The Background Size property sets custom sizes for the background image.

Syntax:

```
selector{  
    background-size: property-value;  
}
```

Copy

Property-value can be any of the following:

cover:

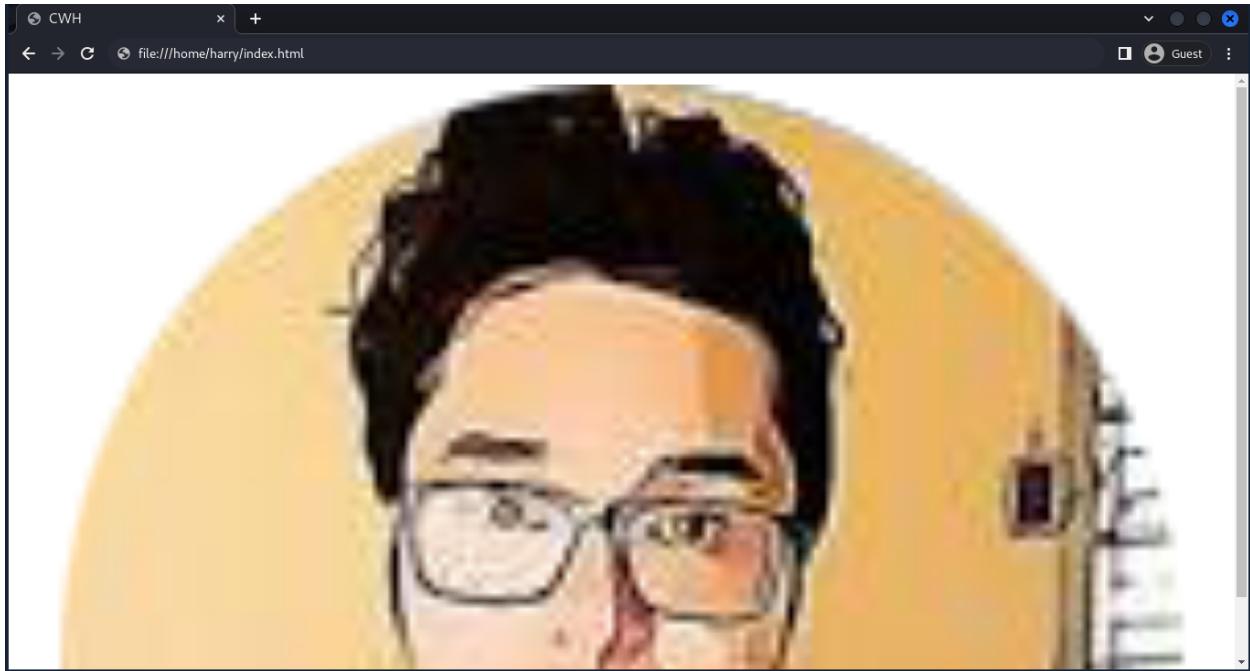
The image fits the whole screen according to the dimensions; the background area will be completely covered by the image while maintaining its aspect ratio.

Syntax

```
div{  
    background-image: url("./harrybhai.png");
```

```
        background-size: cover;  
    }
```

Copy



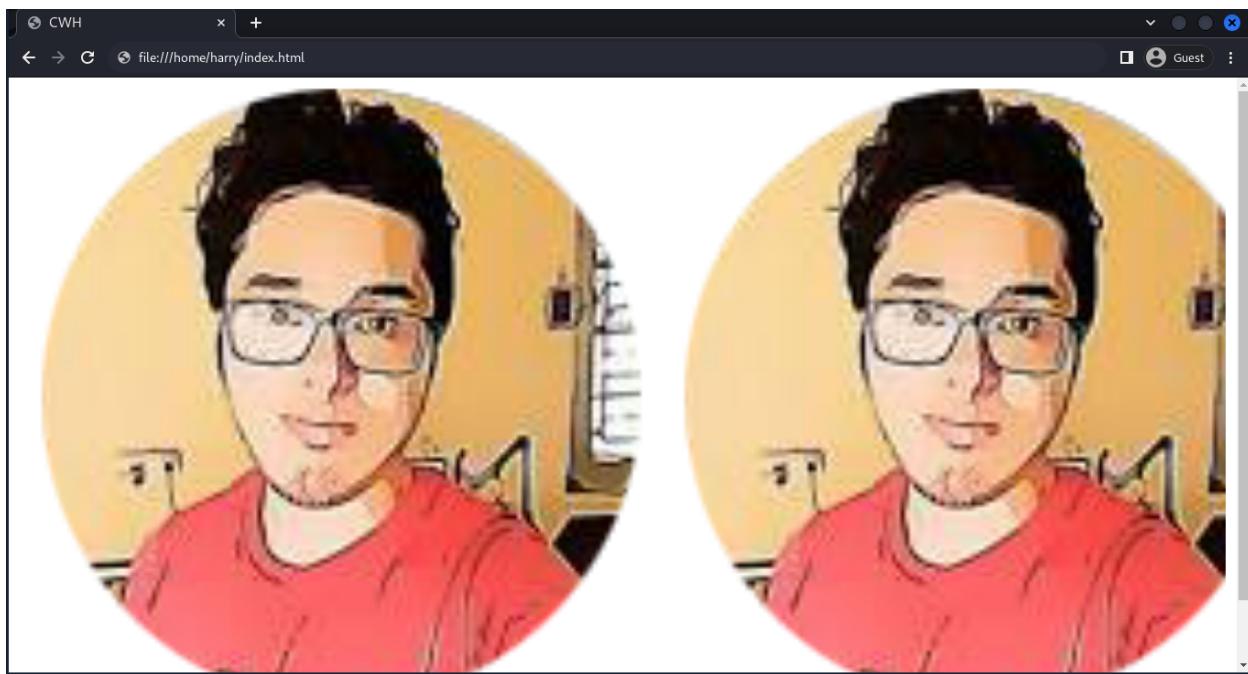
contain:

Scales the image to fit within the background area entirely while maintaining its aspect ratio.

Syntax:

```
div{  
    background-image: url("./harrybhai.png");  
    background-size: contain;  
}
```

Copy



auto

The image will be displayed in its original size. This is the default

Syntax:

```
div{  
    background-image: url("./harrybhai.png");  
    background-size: auto;  
}
```

Copy

Distinct width and height

We can manually set the width and height of the background image.

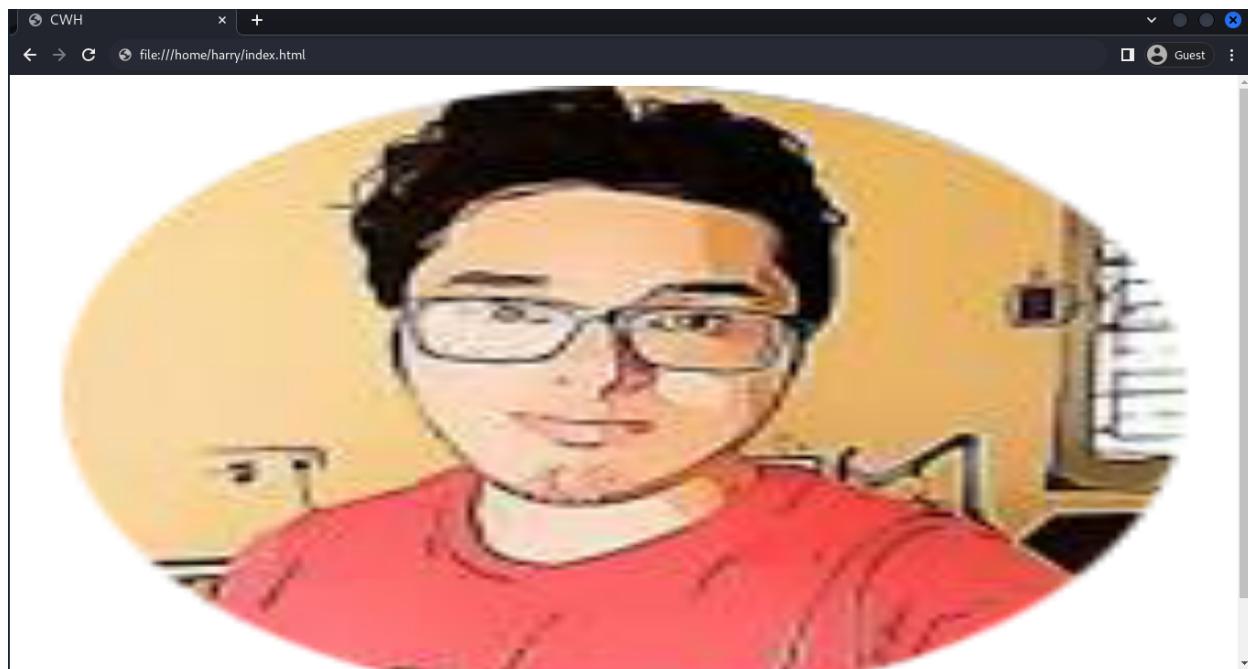
Syntax:

```
div{  
    background-image: url("./harrybhai.png");  
}
```

```
        background-size: 100% 100%;  
    }
```

Copy

Note: The width and height are used in percentage(%);



Background Position

This property sets the starting position of the background image within the container (parent div).

By default, the position is **top left**.

Syntax:

```
selector{  
    background-position: property-value;  
}
```

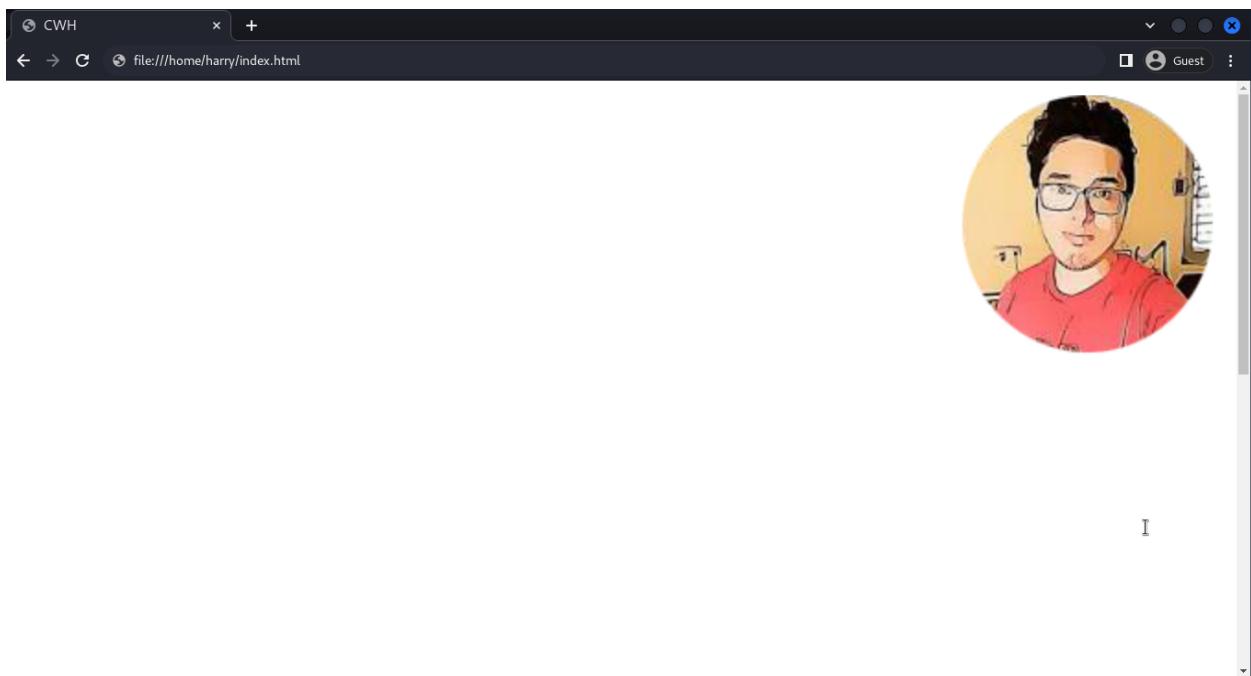
Copy

Property value can be **top, bottom, left, right, or center**. We use combinations of positions such as top left, top right, bottom left, bottom right, centre, etc.

Example:

```
div{  
    background-image: url("./harrybhai.png");  
    background-repeat: no-repeat;  
    background-position: top right;  
}
```

Copy



Background Attachment

The background-attachment property determines whether the background image scrolls with the content.

Syntax:

```
div{  
    background-attachment: fixed || scroll;  
}
```

Copy

Use fixed for a fixed background, or scroll for a scrolling background.

Shorthands

All the background properties would look something like this in a single line.

Syntax

```
selector{
    background: [background-color] [background-attachment] [background-image] [background-repeat] [background-position];
}
```

Copy

Example:

```
div{
    background: purple fixed url("./harrybhai.png") no-repeat right top;
}
```

Copy

