

W3.CSS Images cont.'d..

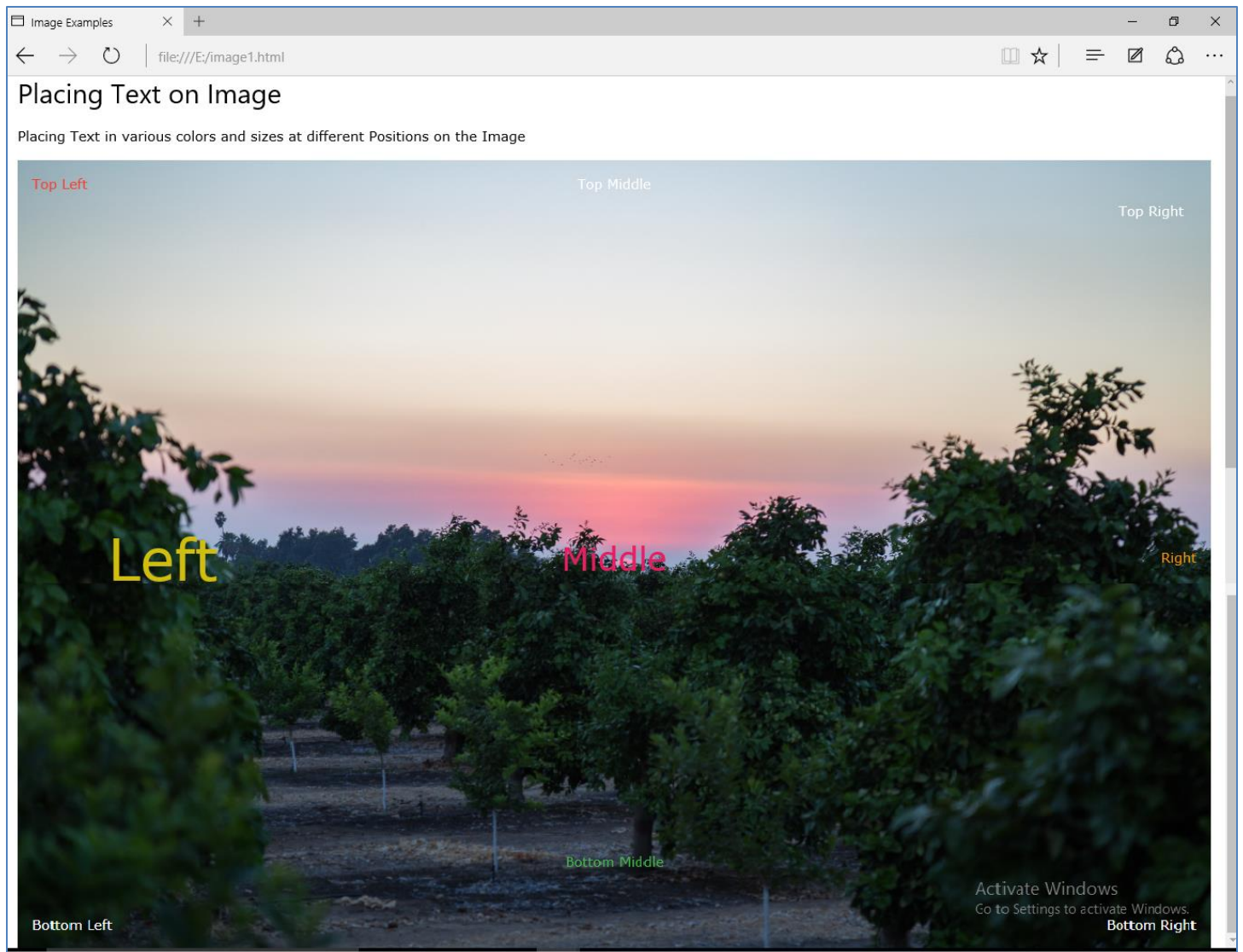
Image : Display classes to Position Text on Image

In W3.CSS, **w3-display-classes** are used to position text on the image at various positions e.g. Top, bottom, left, right and their combination. Respective padding may also be added. By default Text Color is Black, we may also change the color of displaying text in general or for each case using w3-text-color class.

We may also specify the text size in general or for each case also like jumbo, xxlarge etc.

Example: Placing Text in various colors and sizes at different Positions on the Image

```
<html>
<title>Image Examples</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Placing Text on Image</h2>
  <p>Placing Text in various colors and sizes at different Positions on the Image</p>
  <div class="w3-display-container w3-text-white">
    
    <div class="w3-display-topleft w3-container w3-text-Red"><p>Top Left</p></div>
    <div class="w3-display-topright w3-container" style="padding:30px"><p>Top
Right</p></div>
    <div class="w3-display-bottomleft w3-container"><p>Bottom Left</p></div>
    <div class="w3-display-bottomright w3-container"><p>Bottom Right</p></div>
    <div class="w3-display-left w3-container w3-jumbo w3-text-yellow"
style="padding:100px"><p>Left</p></div>
    <div class="w3-display-right w3-container w3-text-orange" ><p>Right</p></div>
    <div class="w3-display-middle w3-xxlarge w3-text-pink" >Middle</div>
    <div class="w3-display-topmiddle w3-container"><p>Top Middle</p></div>
    <div class="w3-display-bottommiddle w3-container w3-text-green"
style="padding:70px" ><p>Bottom Middle</p></div>
  </div>
</div>
</body>
</html>
```



Responsive Images

Responsive Image may automatically resize itself to fit the size of its container. We may see this by resizing the browser window. W3-image class used to set this.

Example

```
<html>
<title>Responsive Image</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Responsive Image Example</h2>
  <p>Responsive Image may automatically resize itself to fit the size of its container. We may see this by Resizing the browser window</p>
  
</div>
</body>
</html>
```



Adding Opacity Effect to an Image

Using **w3-opacity** classes, we can make images transparent, it provides 3 types of Opacity.

Example

```
<html>
<title>Opacity</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Displaying Opacity or Transparency of an Image</h2>
  <p>Normal means 100% opacity, without any class</p>
  
  <p>Minimum means 75% opacity</p>
```

```

```

```
<p>Standard opacity Approximity 60% opacity</p>
```

```

```

```
<p>Minimum means 25% opacity</p>
```

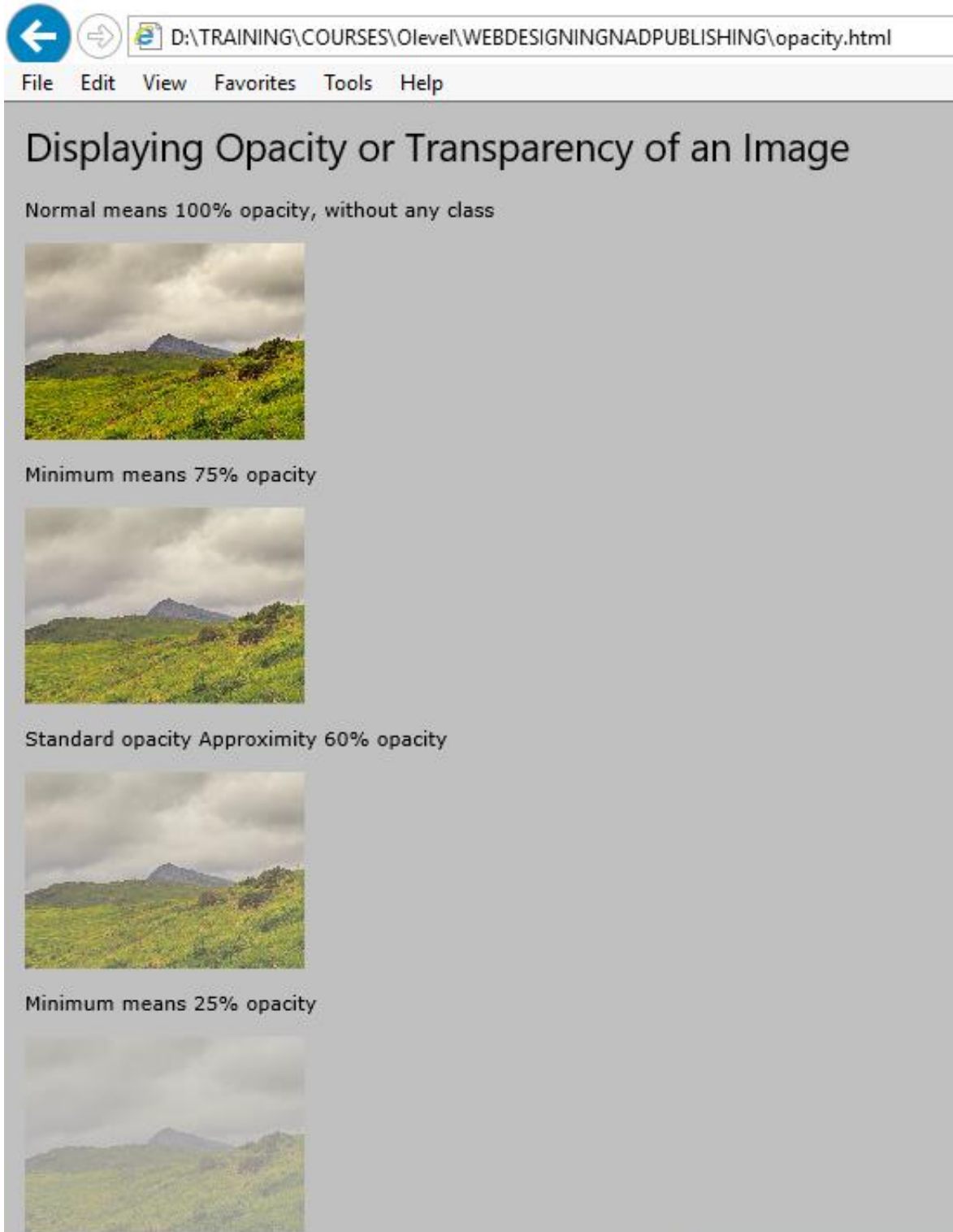
```

```

```
</div>
```

```
</body>
```

```
</html>
```



The screenshot shows a web browser window with the address bar displaying "D:\TRAINING\COURSES\Olevel\WEBDESIGNINGNADPUBLISHING\opacity.html". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The main content area has a title "Displaying Opacity or Transparency of an Image" and a subtitle "Normal means 100% opacity, without any class". Below this, five landscape images are shown in a vertical sequence, each with a caption indicating its opacity level:

- Image 1: "Normal means 100% opacity, without any class" - A clear landscape with green hills and a mountain peak under a cloudy sky.
- Image 2: "Minimum means 75% opacity" - The same landscape, but with some transparency applied.
- Image 3: "Standard opacity Approximity 60% opacity" - The landscape is more faded.
- Image 4: "Minimum means 25% opacity" - The landscape is very faded.
- Image 5: "Minimum means 0% opacity" - The landscape is completely invisible, showing only a grey background.

Adding Grayscale Effect to an Image

To add a grayscale effect to an image, **w3-grayscale** classes are used. it provides 3 types of Grayscale.

Example

```
<html>
<title>GreyScale Effect</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Adding Grayscale Effect to an Image</h2>
  <p>Normal GreyScale with any class</p>
  
  <p>Minimum Greyscale effect</p>
  
  <p>Standard grayscale Effect</p>
  
  <p>Minimum Greyscale effect i.e. black and white image</p>
  
</div>
</body>
</html>
```

Normal GreyScale with any class



Minimum Greyscale effect



Standard grayscale Effect



Minimum Greyscale effect i.e. black and white image



Adding Sepia Effect to an Image

The **w3-sepia** classes are used to add a sepia effect to an image of 3 types

```
<html>
<title>Sepia Effect </title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Adding Sepia Effect to an Image</h2>
  <p>Normal Image</p>
  
  <p>Minimum Sepia Effect</p>
  
  <p>Minimum Sepia Effect</p>
  
  <p>Maximum Sepia Effect</p>
  
</div>
</body>
</html>
```

Normal Image



Minimum Sepia Effect



Minimum Sepia Effect









Maximum Sepia Effect



Adding Hover Effects

W3.CSS provides three hover effect classes, sepia, grayScale and Opacity to show on hover/mouse-over the image.

```
<html>
<title>Hover Color Effect</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Hover Color Effect</h2>
  <p>Diplaying Opacity Hover</p>
  
  <p>Diplaying Grayscale Hover</p>
  
  <p>Diplaying Sepia Hover</p>
  
</div>
</body>
</html>
```

Hover Color Effect	Hover Color Effect
Diplaying Opacity Hover	Diplaying Opacity Hover
	
Diplaying Grayscale Hover	Diplaying Grayscale Hover
	
Diplaying Sepia Hover	Diplaying Sepia Hover
	

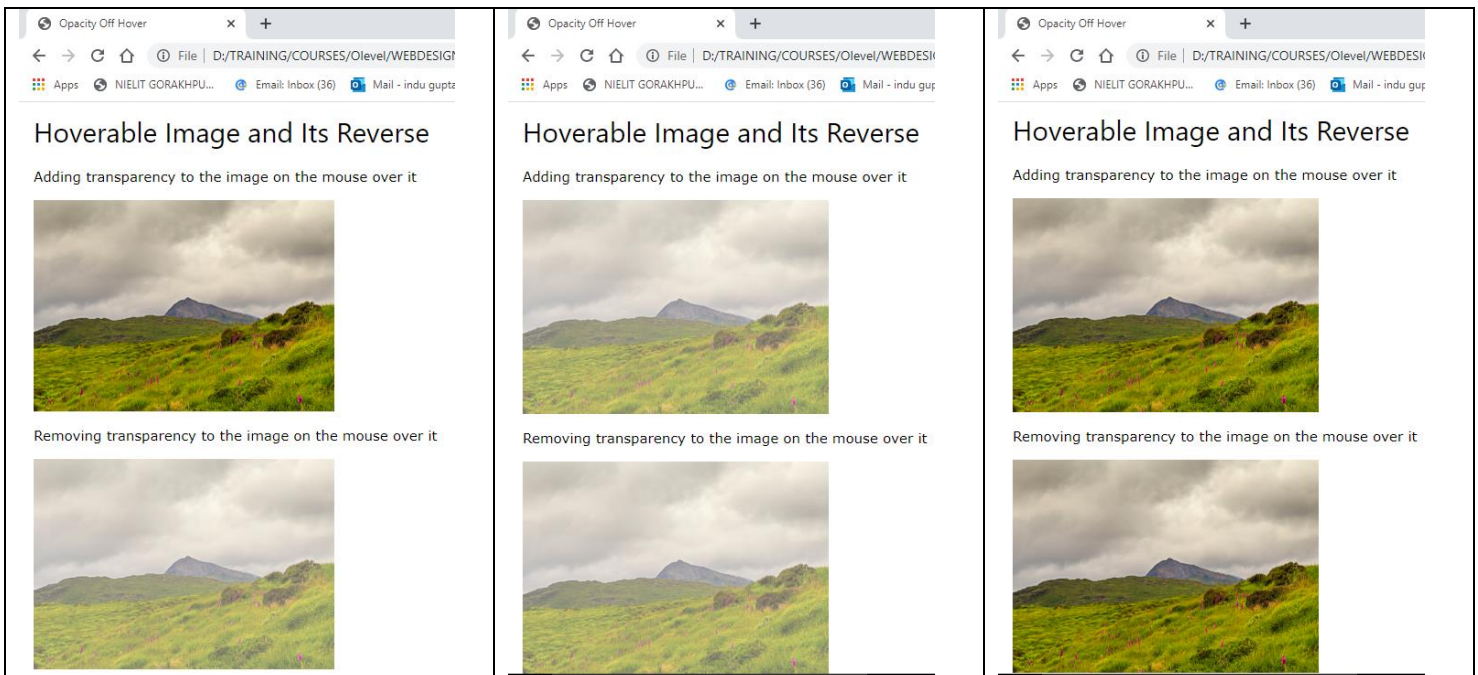
Opacity Off/ Reverse of Hover

Using **w3-hover-opacity-off** class, we may remove the transparency on mouse-over, i.e. just reverse of **w3-hover-opacity** class, which adds transparency to the image on mouse-over.

```
<html>
<title>Opacity Off Hover</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
  <h2>Hoverable Image and Its Reverse</h2>

  <p>Adding transparency to the image on the mouse over it</p>
  

  <p>Removing transparency to the image on the mouse over it</p>
  
</div>
</body>
</html>
```



Assignment

1. How many types of opacity are available? Explain with example
2. What are hoverable images? Give example