

Lecture # 12

Advance Web designing and Development

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CSS Opacity / Transparency

- ▶ The opacity property can take a value from 0.0 - 1.0. The lower value, the more transparent:
- ▶ Default opacity of image is 1

Apply opacity on Div

- ▶ Example

- ▶ Make a div give height ,width and bg color , add some text and see the effect

- ▶ Transparency using RGBA

- ▶ `background: rgba(76, 175, 80, 0.3) /* Green background with 30% opacity */`

Text in Transparent Box



Box-Shadow property

- ▶ `box-shadow` : distance from left px distance from top color (optional)
- ▶ `box-shadow: 5px 10px #ffffff;`
- ▶ `box-shadow: 5px 10px yellow;`
- ▶ Multiple shadow
 - ▶ `box-shadow: 5px 5px blue, 10px 10px red, 15px 15px green;`
- ▶ Multiple shadow with blur effect
 - ▶ `box-shadow: 5px 5px 4px red, 10px 10px 5px green, 15px 15px 6px yellow;`

Google fonts

- ▶ `<link href='https://fonts.googleapis.com/css?family=Architects Daughter'
rel='stylesheet'>`

CSS Web Fonts

► The CSS @font-face Rule

- In the @font-face rule; first define a name for the font (e.g. myFont) and then point to the font file.

```
► @font-face {  
    font-family: myFont;  
    src: url(outline.ttf);  
}
```

```
h1 {  
    font-family: myFont;  
}
```

Gradient color

- ▶ CSS defines two types of gradients:
 - ▶ Linear Gradients (goes down/up/left/right/diagonally)
 - ▶ Radial Gradients (defined by their center)
- ▶ **Syntax**
 - ▶ `background-image: linear-gradient(dire, color-stop1, color-stop2, ...);`

Linear gradient

- ▶ To bottom (is default)
- ▶ To right
- ▶ To left
- ▶ Diagonal
 - ▶ `background-image: linear-gradient(to bottom right, red, yellow);`
- ▶ Repeating a linear-gradient
 - ▶ `background-image: repeating-linear-gradient(red, yellow 10%, green 20%);`

Radial Gradient

- ▶ Syntax
 - ▶ background-image: radial-gradient(*shape size at position, start-color, ..., last-color*);
- ▶ shapes:
 - ▶ ellipse (default)
 - ▶ Circle
- ▶ size farthest-corner (default)
 - ▶ closest-side
 - ▶ closest-corner
 - ▶ farthest-side

Examples

► 1)

```
#grad1 {  
  background-image: radial-gradient(red 5%, green 15%, blue 60%);  
}
```

► 2)

```
► #grad2 {  
  background-image: radial-gradient(circle, red, yellow, green);  
}
```

Examples

- ▶ `#grad3 {
 background-image: radial-gradient(closest-side at 60% 55%, blue, green,
 yellow, black);
}`
- ▶ `#grad4 {
 background-image: radial-gradient(farthest-side at 60% 55%, blue, green,
 yellow, black);
}`

Basic dropdown On Hover

- ▶ How to Design a simple dropdown ?

Dropdown list in a Navigation bar

Css Units

► Absolute length

cm	centimeters
mm	millimeters
in	inches (1in = 96px = 2.54cm)
px *	pixels (1px = 1/96th of 1in)
pt	points (1pt = 1/72 of 1in)
pc	picas (1pc = 12 pt)

Css Units

► Relative length

em	Relative to the font-size of the element (2em means 2 times the size of the current font)
vw	Relative to 1% of the width of the viewport*
vh	Relative to 1% of the height of the viewport*
%	Relative to the parent element

CSS Attribute Selectors

- ▶ `input[type=text]` - will only select text fields
- ▶ `input[type=password]` - will only select password fields
- ▶ `input[type=number]` - will only select number fields
- ▶ `a[target]` - will select all element with target
- ▶ `a[target="_blank"]` - all element with target blank only

End Of Lecture 12