Alpha Channel

Sets the opacity for a color

Ranges from 0 to 1

hidden _______

Red Oren 3he

rgb a

alpha - rbaity

rgba(255, 255, 255, 0.3)

Red 0-255

Blue 0-255

Green 0-255

Alpha 10-1

widden Sieikle

Opacity



Sets the opacity for the element

Ranges from 0 to 1

opacity: 0.5



Transitions enable you to define the transition between two states of an element.



Transition Shorthand

property name | duration | timing-function | delay

transition: margin-top 2s ease-in-out 0.2s;

This property lets you rotate, scale, skew, or translate an element.

(i) Rotate

transform: rotate (45deg);

(ii) Scale

transform : scale (0.5);

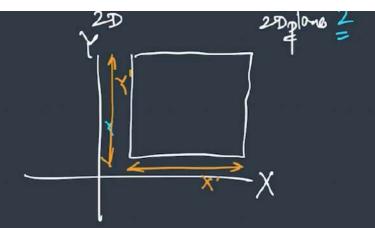


transform : scale (1.5);

(ii) Scale

transform : scale (0.5);

transform : scale (1.5);



(iii) Translate

transform: translate (50px, 50px);

transform: translateX (10px); sneha

transform : translateY (10px);

(iii) Translate

transform: translate (50px, 50px);

transform: translateX (10px);

transform : translateY (10px);



It adds shadow effects around an element's frame.

box-shadow: 2px 2px 10px green;

Box Shadow

It adds shadow effects around an element's frame.

box-shadow: 2px 2px 10px green;

| Jacobs | Jaco

Background Image

Lets you set an image as a background.

background-image : url("../somepath/..img.jpg");

background-size : contain I cover I auto;

crop x coop sto scale x scale x school

Position

The position CSS property sets how an element is positioned in a document.

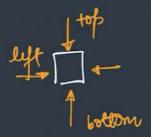
The top, right, bottom, and left properties determine the final location of positioned elements.

• static

• relative

• absolute

fixed



Position - Static

The top, right, bottom, left, and z-index properties have no effect. This is the default value.



Position - Absolute

The element is removed from the normal document flow, and no space is created for the element in the page layout.

It is positioned relative to its closest positioned appearant if any, otherwise, it is placed relative to the initial

It is positioned relative to its closest positioned ancestor, if any; otherwise, it is placed relative to the initial containing block.



The element is removed from the normal document flow, and no space is created for the element in the page layout.

It is positioned relative to the initial containing block established by the viewport.

Creating a Simple Smiley Face



CSS (Part 4)

Practice Questions

We are given 2 files - HTML & CSS.

Complete the assignment according to the instructions in the CSS file.

You can also download these from Github:

https://github.com/apna-college/Delta/tree/main/CSS/Chapter4/Assignment

HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width,</pre>
initial-scale=1.0" />
<title>CSS Assignment</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
  <div id="box1">This is box1</div>
  <div id="box2">This is box2</div>
  <div id="box3">This is box3</div>
  <div id="box4">This is box4</div>
  <div id="myPic">This is my Pic</div>
```

```
</body>
```

CSS Code

```
* Qs1. Add a 2s transition on box1 for width changes.
It should have 'ease-in' speed curve & 0.5s delay */
#box1 {
 width: 100px;
 height: 100px;
 background: green;
#box1:hover {
 width: 600px;
/* Qs2. Using transform, move box2 200px to the right &
200px down. Also rotate it 90deg.*/
#box2 {
 width: 100px;
 height: 100px;
 background: red;
   Qs3. Using transform, skew box3 20deg along the x axis.*/
```

```
#box3 {
 width: 100px;
 height: 100px;
 background: lightblue;
/* Qs4. Set a 2px horizontal & 2px vertical, green shadow
for box4, with a 5px blur radius.*/
#box4 {
 width: 100px;
 height: 100px;
 background: lightgreen;
/* Qs5. Set Your picture or any picture as the background of
the div
"myPic". Also, set transparency of this div to 50%. */
#myPic {
 width: 200px;
 height: 200px;
 background: pink;
```

CSS (Part 4)

Practice Solutions

Answers

```
Qs1. Add a 2s transition on box1 for width changes.
It should have 'ease-in' speed curve & 0.5s delay */
#box1 {
 width: 100px;
 height: 100px;
 background: green;
  transition: width 2s ease-in 0.5s;
#box1:hover {
 width: 600px;
/* Qs2. Using transform, move box2 200px to the right &
200px down. Also rotate it 90deg.*/
#box2 {
 width: 100px;
 height: 100px;
 background: red;
```

```
transform: translate(200px, 200px) rotate(90deg);
  Qs3. Using transform, skew box3 20deg along the x axis.*/
#box3 {
 width: 100px;
 height: 100px;
 background: lightblue;
 transform: skewX(20deg);
/* Qs4. Set a 2px horizontal & 2px vertical, green shadow
for box4, with a 5px blur radius.*/
#box4 {
 width: 100px;
 height: 100px;
 background: lightgreen;
 box-shadow: 2px 2px 5px green;
/* Qs5. Set Your picture or any picture as the background of
the div
"myPic". Also, set transparency of this div to 50%. */
#myPic {
```

```
width: 200px;
height: 200px;
background: pink;
background-image: url("picture.jpg");
background-size: cover;
opacity: 50%;
}
```