

## Chapter 8 - Transforms, Transitions & Animations

Transforms are used to rotate, move skew or scale elements. They are used to create a 3-D effect

The transform property
Used to apply a 2D or 3D transformation to an element

The transform-origin property
Allows to change the position of transformed elements
2D transforms -> (an change x & y axis
3D transforms -> (an change Z axis as well

You can use the following 2-D transforms in C55:

17 franslate ()
27 rotate ()

3> Scale X()

4, 5(ale X ()

57 Skewl)

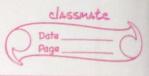
6> makix() 7 5(ale ()

CGS 3D transform methods

1> rotate X()

27 rotate y()

37 rofate Z()



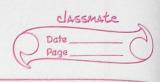
CSS Transitions
Used to Change property Values smoothly, over a given duration. The fransition property is used to add transition in CSS.

Following are the properties used for CSS transition. 1, fransition-property - The property you want to transition 2. Fransition - duration - Time for which you want transition to apply 37 fransition - timing - function -> How you want the property to transition 47 transition-delay - Specifies the delay for the transition All these properties can be set using a single shorthand property

Francition: width 35 ease-in 25; property 3 timing-function Transitioning multiple properties
We can transition multiple properties as follows: transition: opacity 15 case-out 15, transform 25 case-in;



	C55 Animations
	Used to animate (55 properties with more control.
	We can use @ kou trames trule to change the animation
	from a given style to a new style
	1 sign to be new sign.
	Used to animate (55 properties with more control.  We can use @keyframes rule to change the animation from a given style to a new style.  @keyframes harry 8
	@ key frames harry { from { width : 20 px; } → Can change multiple properties to { width : 31 px; }
	to & width: 31 by: 3
	2 Walk. 31 px, 3
	didential as interested
	Properties to add Animations
	Following are the properties used to get animation in (55:
	Properties to add Animations  Evolvowing were the properties used to set animation in C55:
17	animation-name - name of the animation
2,	animation - duration - How long does the animation run ?
	animation - duration - How long does the animation run?
37	animation - timing - function - Determines speed curre of the animation
	The winner of the winner of
4,	animation - delay - Delay for the start of an animation
	The state of the state of
5,	animation-iteration-count -> Number of times an animation shed run
	The state of the s
67	animation - direction - Specifies the direction of the animation
	The state of the s
	The animation shorthand
	All the animation properties from 1-6 can be applied like this:
	20
	animation: harry 65 linear 15 infinite reverse;
	* *



Using percentage value States with animation we can use of values to indicate what should happen when a certain percent of animation is completed @ Reyframes harry & width: 20px; => Can add as many intermediate properties as possible Width: 80 px; 100°/0 & with: 200pxs