**CSS3 Transforms**

**2D Transforms**

With CSS3 transforms, we can move, scale, turn, spin, and stretch elements.

A transform is an effect that lets an element change shape, size and position.

IE 10, Firefox, and Opera support 2D transforms; Chrome and Safari require the prefix `-webkit-`

2D transform methods include: translate, rotate, scale, skew, matrix.

W3Schools
CSS3 2D Transforms
[www.w3schools.com/css/css3_2dtransforms.asp](http://www.w3schools.com/css/css3_2dtransforms.asp)
CSS3 Transforms

3D Transforms

CSS3 allows you to format your elements using 3D transforms.

IE 10 and Firefox support 3D transforms; Chrome and Safari require the prefix -webkit-

With 3D transforms, an element can rotate around an X-, Y-, or Z-axis at a given degree.

3D transform methods include: translate, rotate, scale, and matrix.

W3Schools CSS3 3D Transforms
www.w3schools.com/css/css3_3dtransforms.asp
CSS3 Transforms
Properties

transform
transform-origin
transform-style
perspective
perspective-origin
backface-visibility

W3Schools
CSS3 3D Transforms
www.w3schools.com/css/css3_3dtransforms.asp
CSS3 Transitions

CSS3 transitions are effects that let an element gradually change from one style to another.

IE 10, Firefox, Chrome, and Opera support the transition property; Safari requires the prefix `webkit-`

To apply a transition, you must specify two things:

- The CSS property you want to add an effect to
- The duration of the effect
CSS3 Transitions
Properties

- transition
- transition-property
- transition-duration
- transition-timing-function
- transition-delay

W3Schools
CSS3 Transitions
www.w3schools.com/css/css3_transitions.asp
CSS3 Animation

With CSS3, we can create animations in Web pages.

The @keyframes rule is where the animation is created.

Specify a CSS style inside the @keyframes rule and the animation will gradually change from the current style to the new style.

IE 10, Firefox, and Opera support the @keyframes rule and animation property; Chrome and Safari require the prefix -webkit-
CSS3 Animation Properties

@keyframes animation
animation-name
animation-duration
animation-timing-function
animation-delay
animation-iteration-count
animation-direction
animation-play-state

W3Schools CSS3 Animations
www.w3schools.com/css/css3_animations.asp