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CSS transform Property

‹   **Reference**   ›

Example

Rotate, skew, and scale three different <div> elements:

```
div.a {
  transform: rotate(20deg);
}

div.b {
  transform: skewY(20deg);
}

div.c {
  transform: scaleY(1.5);
}
```

Try it Yourself »

Definition and Usage

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Show demo ›

Default value:	none	
Inherited:	no	
Animatable:	yes. Read about *animatable*	Try it
Version:	CSS3	
JavaScript syntax:	*object*.style.transform="rotate(7deg)"	Try it

Browser Support

The numbers in the table specify the first browser version that fully supports the property.

Numbers followed by -webkit-, -moz-, or -o- specify the first version that worked with a prefix.

Property					
transform (2D)	36.0 4.0 -webkit-	10.0 9.0 -ms-	16.0 3.5 -moz-	9.0 3.2 -webkit-	23.0 15.0 -webkit- 10.5 -o-
transform (3D)	36.0 12.0 -webkit-	12.0	10.0	9.0 4.0 -webkit-	23.0 15.0 -webkit-

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Syntax

```
transform: none|transform-functions|initial|inherit;
```

Property Values

Value	Description	Demo
none	Defines that there should be no transformation	Demo ›
matrix(*n,n,n,n,n,n*)	Defines a 2D transformation, using a matrix of six values	Demo ›
matrix3d (*n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n*)	Defines a 3D transformation, using a 4x4 matrix of 16 values	
translate(*x,y*)	Defines a 2D translation	Demo ›
translate3d(*x,y,z*)	Defines a 3D translation	
translateX(*x*)	Defines a translation, using only the value for the X-axis	
translateY(*y*)	Defines a translation, using only the value for the Y-axis	

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the value for the z-axis

scale(*x,y*)	Defines a 2D scale transformation	Demo ›
scale3d(*x,y,z*)	Defines a 3D scale transformation	
scaleX(*x*)	Defines a scale transformation by giving a value for the X-axis	
scaleY(*y*)	Defines a scale transformation by giving a value for the Y-axis	
scaleZ(*z*)	Defines a 3D scale transformation by giving a value for the Z-axis	
rotate(*angle*)	Defines a 2D rotation, the angle is specified in the parameter	Demo ›
rotate3d(*x,y,z,angle*)	Defines a 3D rotation	
rotateX(*angle*)	Defines a 3D rotation along the X-axis	Demo ›
rotateY(*angle*)	Defines a 3D rotation along the Y-axis	Demo ›
rotateZ(*angle*)	Defines a 3D rotation along the Z-axis	
skew(*x-angle,y-angle*)	Defines a 2D skew transformation along the X- and the Y-axis	Demo ›
skewX(*angle*)	Defines a 2D skew transformation along the X-axis	Demo ›
skewY(*angle*)	Defines a 2D skew transformation along the Y-axis	Demo ›
perspective(*n*)	Defines a perspective view for a 3D transformed element	
initial	Sets this property to its default value. Read about *initial*	
inherit	Inherits this property from its parent element. Read about *inherit*	

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Images thrown on the table

This example demonstrates how to create "polaroid" pictures and rotate the pictures.

Related Pages

CSS tutorial: CSS 2D Transforms

CSS tutorial: CSS 3D Transforms

HTML DOM reference: transform property

| ‹ | **Reference** | › |

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```
<!DOCTYPE html>
<html>
<head>
<style>
div.a {
  width: 150px;
  height: 80px;
  background-color: yellow;
  -ms-transform: rotate(20deg); /* IE 9 */
  transform: rotate(20deg);
}

div.b {
  width: 150px;
  height: 80px;
  background-color: yellow;
  -ms-transform: skewY(20deg); /* IE 9 */
  transform: skewY(20deg);
}

div.c {
  width: 150px;
  height: 80px;
  background-color: yellow;
  -ms-transform: scaleY(1.5); /* IE 9 */
  transform: scaleY(1.5);
}
</style>
</head>
<body>

<h1>The transform Property</h1>

<h2>transform: rotate(20deg):</h2>
<div class="a">Hello World!</div>
<br>

<h2>transform: skewY(20deg):</h2>
<div class="b">Hello World!</div>
<br>

<h2>transform: scaleY(1.5):</h2>
<div class="c">Hello World!</div>

</body>
</html>
```
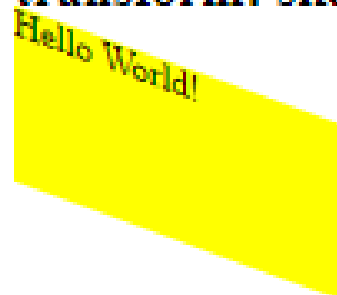
The transform Property

transform: rotate(20deg):

transform: skewY(20deg):

transform: scaleY(1.5):