CSS3 - 3D transforms

Using with 3d transforms, we can move element to x-axis, y-axis and z-axis, Below example clearly specifies how the element will rotate

Methods of 3D transforms

Below methods are used to call 3D transforms

|  |  |
| --- | --- |
| **Values** | **Description** |
| matrix3d(n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n) | Used to transforms the element by using 16 values of matrix |
| translate3d(x,y,z) | Used to transforms the element by using x-axis,y-axis and z-axis |
| translateX(x) | Used to transforms the element by using x-axis |
| translateY(y) | Used to transforms the element by using y-axis |
| translateZ(z) | Used to transforms the element by using y-axis |
| scaleX(x) | Used to scale transforms the element by using x-axis |
| scaleY(y) | Used to scale transforms the element by using y-axis |
| scaleY(y) | Used to transforms the element by using z-axis |
| rotateX(angle) | Used to rotate transforms the element by using x-axis |
| rotateY(angle) | Used to rotate transforms the element by using y-axis |
| rotateZ(angle) | Used to rotate transforms the element by using z-axis |

X-axis 3D transforms

The following an example shows the x-axis 3D transforms

<html>

<head>

<style>

div {

width: 200px;

height: 100px;

background-color: pink;

border: 1px solid black;

}

div#myDiv {

-webkit-transform: rotateX(150deg);

/\* Safari \*/

transform: rotateX(150deg);

/\* Standard syntax \*/

}

</style>

</head>

<body>

<div>

tutorials point.com

</div>

<p>Rotate X-axis</p>

<div id="myDiv">

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</div>

</body>

</html>

It will produce the following result −

Y-axis 3D transforms

The following an example shows the y-axis 3D transforms

<html>

<head>

<style>

div {

width: 200px;

height: 100px;

background-color: pink;

border: 1px solid black;

}

div#yDiv {

-webkit-transform: rotateY(150deg);

/\* Safari \*/

transform: rotateY(150deg);

/\* Standard syntax \*/

}

</style>

</head>

<body>

<div>

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</div>

<p>Rotate Y axis</p>

<div id="yDiv">

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</div>

</body>

</html>

It will produce the following result −

Z-axis 3D transforms

The following an example shows the Z-axis 3D transforms

<html>

<head>

<style>

div {

width: 200px;

height: 100px;

background-color: pink;

border: 1px solid black;

}

div#zDiv {

-webkit-transform: rotateZ(90deg);

/\* Safari \*/

transform: rotateZ(90deg);

/\* Standard syntax \*/

}

</style>

</head>

<body>

<p>rotate Z axis</p>

<div id="zDiv">

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</div>

</body>

</html>

It will produce the following result −