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# CSS3(V)

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## 3D变换



## 内容

3D

transform-style: preserve-3d

旋转

transform属性

rotateX()

rotateY() 角度deg

rotateZ()

透视

perspective属性



## 坐标系



y轴  
rotateY()



x轴  
rotateX()



z轴  
rotateZ()



## 无透视

初始状态



rotateX()



rotateY()



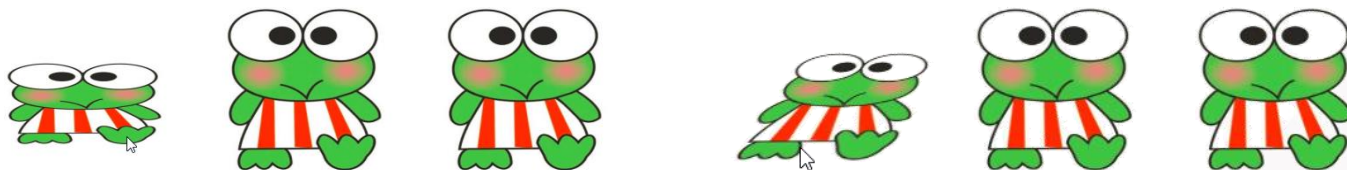
rotateZ()





## 有透视

rotateX()



rotateY()



## 3D变换



父容器:



旋转

```
transform-style: preserve-3d;  
transform: rotateY(60deg);
```

舞台:



透视关系

眼睛到舞台的距离  
`perspective: 100px;`





## 案例



```
<div id="stage">
  <div class="box x">
    
  </div>
  <div class="box y">
    
  </div>
  <div class="box z">
    
  </div>
</div>
```

```
#stage{
  width: 300px;
  margin: 100px auto;
  perspective:100px;
}
```



## 案例



```
.box{  
    width: 100px;  
    height:100px;  
    float:left;  
    transition:linear 1s;  
    transform-style: preserve-d;  
}
```

```
img{  
    width:100px;  
    height:75px;  
}
```





## 案例



```
.x:hover  
{  
    transform:rotateX(60deg);  
}  
.y:hover  
{  
    transform:rotateY(60deg);  
}  
.z:hover  
{  
    transform:rotateZ(60deg);  
}
```



## 小结

3D

transform-style: preserve-3d

旋转

transform属性

rotateX()

rotateY() 角度deg

rotateZ()

透视

perspective属性