

第4章 CSS 高级

赵文博



4.1 CSS Transform

transform 变形

- 对元素进行平移、旋转、缩放、倾斜
 - translate
 - rotate
 - scale
 - skew
- transform 不会对其它元素布局产生影响


```
.emoji {  
  transform: translate(100px, 100px)  
}
```

```
.emoji {  
  transform: translateX(100px)  
}
```

```
.emoji {  
  transform: translateY(-1em)  
}
```

```
.emoji {  
  transform: translate(100%, 100%)  
}
```

Emoji are ideograms and smileys used in electronic messages and

web pages.  They are much like emoticons, but emoji are actual pictures instead of typographics.

<https://s.codepen.io/webzhao/debug/xmGjmr/dGMXWdDa...>


```
.emoji {  
  transform: rotate(90deg)  
}
```

```
.emoji {  
  transform: rotate(0.5turn)  
}
```

```
.emoji {  
  transform-origin: 0 0;  
  transform: rotate(-50deg)  
}
```

```
.emoji {  
  transform-origin: 0 0;  
  transform: rotate(360deg)  
}
```

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web pages.  They are much like emoticons, but emoji are actual pictures instead of typography.

<https://s.codepen.io/webzhao/debug/bOdKwG/NQAzYqEdZ...>


```
.emoji {  
  transform: scale(2)  
}
```

```
.emoji {  
  transform: scale(3, 0.5)  
}
```

```
.emoji {  
  transform-origin: 0 0;  
  transform: scale(4)  
}
```

```
.emoji {  
  transform-origin: 0 0;  
  transform: scaleY(2)  
}
```

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```
.emoji {  
  transform: skewX(30deg)  
}
```

```
.emoji {  
  transform: skewY(50deg)  
}
```

```
.emoji {  
  transform: skew(30deg, 20deg)  
}
```

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<https://s.codepen.io/webzhao/debug/XobYvB/vWARwaLZV...>

```
.emoji {  
  transform: translateX(100px)  
            rotate(90deg)  
}
```

```
.emoji {  
  transform: rotate(90deg)  
            translateX(100px)  
}
```

```
.emoji {  
  transform: scale(2)  
            translateX(100px)  
            rotate(90deg)  
}
```

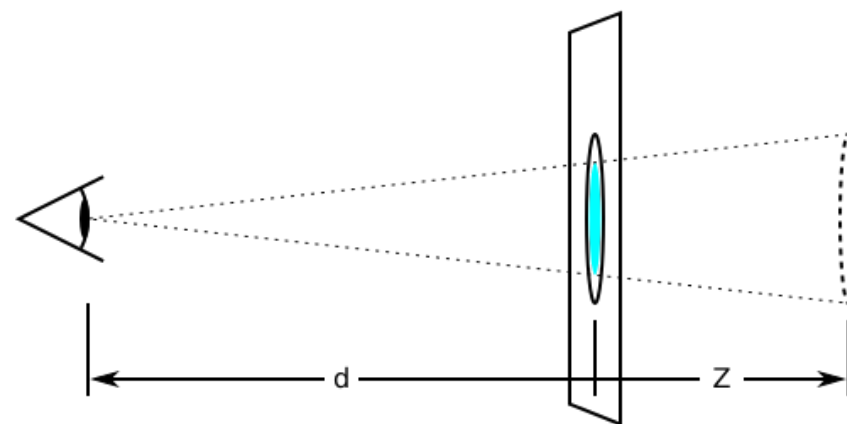
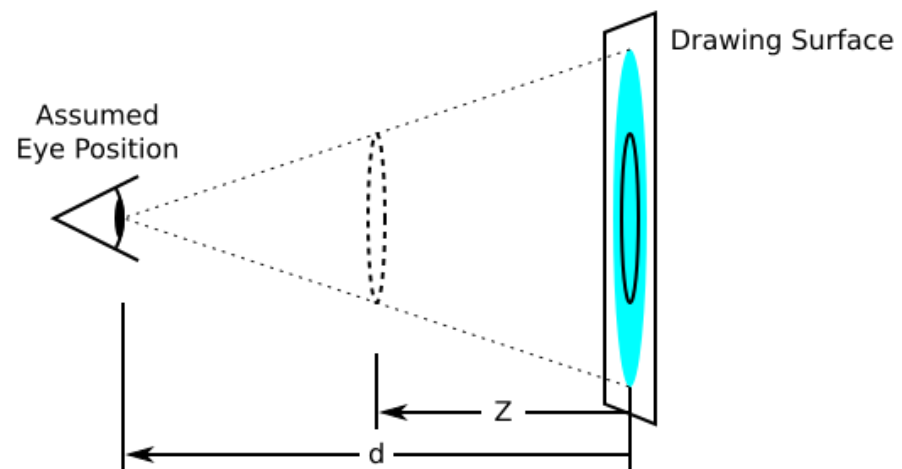
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<https://codepen.io/webzhao/debug/XobBXx>

3D 变形



```
.emoji {  
  transform: rotateY(40deg)  
}
```

```
.emoji {  
  transform: perspective(100px)  
             rotateY(40deg)  
}
```

```
.emoji {  
  transform: perspective(40px)  
             rotateY(40deg)  
}
```

```
.emoji {  
  transform: perspective(100px)  
             translate3d(100px, 100px, 20px)  
             rotateY(80deg)  
}
```

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web pages. They are much like emoticons, but emoji are actual pictures instead of typographics.