



52. Animations (1-qism)

Reja:


▼ CSS animation



CSS animation - elementni bir "style"dan boshqa "style"ga asta-sekinlik bilan o'tishini ta'minlaydi. Animation istalgan CSS xossani istalgan marta o'zgartirish imkonini beradi

Build a smokin' hot coffee cup animation using CSS ☕ - Coding is Love

In this article, I came up with something very cool stuff - Smoking hot coffee cup animation. Ya!! you read it correctly, don't get confused just check out the above GIF, looks great right? So here I'm going to show you guys how to create the

 <https://codingislove.com/build-a-smokin-hot-coffee-cup-animation-using-css-%E2%98%95/>



Animation yaratish uchun ishlatiladigan CSS xossalari va qoidasi

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

▼ @keyframes



@keyframes - animatsiya stillarni qaysi vaqtda qaysi qiymatga o'zgartirishni belgilab beradi

Umumiy ko'rinishi

```
@keyframes animatsiya-nomi {  
  keyframe-intervali-1 {  
    xossa-1: qiymat-1;  
    xossa-2: qiymat-2;  
    ...  
    xossa-n: qiymat-n;  
  }  
  
  ...  
  
  keyframe-intervali-n {  
    xossa-1: yangi-qiymat-1;  
    xossa-2: yangi-qiymat-2;  
    ...  
    xossa-n: yangi-qiymat-n;  
  }  
}
```



Animatsiyamizga **xoxlagan** nomimizni bersak bo'ladi. Keyframe intervali uchun esa **0-100%** ga bo'lgan qiymatlarni ko'rsatib o'tishimiz mumkin. **0** va **100%** uchun **from** va **to** ka'lit so'zlaridan foydalanishimiz mumkin

Misol

```
@keyframes box-mover {  
  0% {  
    left: 0;  
    background-color: red;  
    width: 200px;  
  }  
  
  100% {  
    left: 500px;  
    background-color: green;  
    width: 400px;  
  }  
}
```

Bir necha keyframe intervallariga ega animatsiya

```

@keyframes box-mover {
  0% {
    top: 0;
    left: 0;
    background-color: red;
  }

  50% {
    top: 0;
    left: 500px;
    background-color: green;
  }

  100% {
    top: 500px;
    left: 500px;
    background-color: yellow;
  }
}

```

▼ Animation name, duration, delay



Animation name - elementimiz ega bo'ladigan animatsiya nomi. **@keyframe** uchun ko'rsatilgan **animatsiya nomi** qiymat ko'rinishida ishlatiladi



Animation duration - animatsiyani qanday **davomiylikga** ega bo'lishini belgilab beradi. **Son** ko'rinishidagi qiymatga ega bo'lib, o'lchov birligi **s** (soniya) yoki **ms** (millisoniya)larda ko'rsatilishi kerak

```

<style>

@keyframes box-mover {
  0% {
    left: 0;
    background-color: red;
    width: 200px;
  }

  100% {
    left: 500px;
    background-color: green;
    width: 400px;
  }
}

.box {
  width: 200px;
  height: 200px;
  position: relative;
  background-color: red;
}

```

```

    color: white;
    animation-name: box-mover;
    animation-duration: 4s;
}

</style>

-----

<div class="box">Animatsiyaga ega bo'lgan quti</div>

```



Animation delay - animatsiyamiz qachon **boshlanishini (kechikishini)** belgilab beradi. **Son** ko'rinishidagi qiymatga ega bo'lib, o'lchov birligi **s** (soniya) yoki **ms** (millisoniya)larda ko'rsatilishi kerak

```

<style>

@keyframes box-mover {
  0% {
    left: 0;
    background-color: red;
    width: 200px;
  }

  100% {
    left: 500px;
    background-color: green;
    width: 400px;
  }
}

.box {
  width: 200px;
  height: 200px;
  position: relative;
  background-color: red;
  color: white;
  animation-name: box-mover;
  animation-duration: 4s;
  animation-delay: 2s;
}

</style>

-----

<div class="box">Animatsiyaga ega bo'lgan quti</div>

```

▼ Animation iteration count



Animation iteration count - animatsiyamiz necha marta **qaytarilishini** belgilab beradi. **Default** qiymati 1ga teng

```
<style>

@keyframes box-mover {
  0% {
    left: 0;
    background-color: red;
    width: 200px;
  }

  100% {
    left: 500px;
    background-color: green;
    width: 400px;
  }
}

.box {
  width: 200px;
  height: 200px;
  position: relative;
  background-color: red;
  color: white;
  animation-name: box-mover;
  animation-duration: 4s;
  animation-iteration-count: 2;
}

</style>

-----

<div class="box">2 marta qaytariladigan animatsiyaga ega bo'lgan quti</div>
```