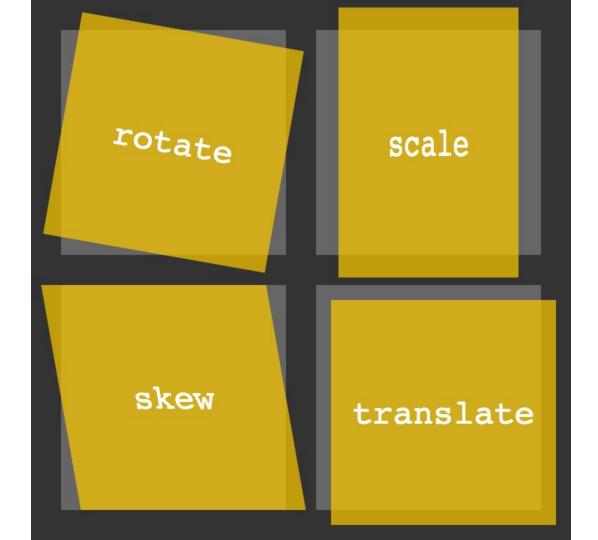# Transforms

rotate

scale

skew

translate

ROTATE

- rotate() - elementni z o'qi bo'yicha aylantirish
- rotateX() - elementni x o'qi bo'yicha aylantirish
- rotateY() - elementni y o'qi bo'yicha aylantirish
- rotateZ() = rotate() - default xolat
- transform-origin - ota elementga beriladi. Aylanish o'qini o'zgartirish uchun
- perspective - virtual balandlik

Translate

- translateX - x o'qi bo'yicha surish
- translateY - y o'qi bo'yicha surish
- translate(x,y) - qisqa ko'rinishi
- translateZ - z o'qi bo'yicha surish

Scale

- scaleX - x o'qi bo'yicha kattalashtirish
- scaleY - y o'qi bo'yicha kattalashtirish
- scaleZ - z o'qi bo'yicha kattalashtirish

- transform: translate rotate skew scale-**Multiple transform**
- Joylari almashsa animatsiya o'zgaradi

- Eng chapdagi birinchi amalga oshiriladi
- Bir xil qiymatlar takrorlanishi mumkin

Transition

Transition

Xolat o'zgarishiga ketadigan vaqtni belgilash. Xolat pseudo class yordamida yoki js yordamida o'zgartiriladi.

- transition:width 2s **timing function delay**
  timing function- linear (default),ease-in, ease-out, cubic-bezier
  delay: n sekunddan so'ng boshlansin

- transition: qiymat1, qiymat2, qiymat3

Animations

Murakkab animatsiyalar

```css
@keyframes first-anime {
    from{
        transform: translate(0) rotate(0deg);
    }
    to{
        transform: translate(200px) rotate(180deg);
    }
}
```

```css
.box:hover{
    animation: first-anime 1s;
    animation-delay: 1s;
    animation-direction: alternate;
    animation-iteration-count: 2;
}
```

```css
@keyframes rotation {

    0%{

        transform:translate(0);

    }
    25%{

        transform: translate(100px);

    }
    50%{

        transform: translate(0);

    }
    75%{

        transform: translate(-100px);

    }
    100%{

        transform: translate(0);

    }
```