Frontender[1.0] Трансформация и анимация элементов. CSS Transform, CSS Animation. CSS Transition

🔗 YouTube	https://youtu.be/ILlDaVlpELk
🔗 Telegram	https://t.me/Dmitry_Kolotilshikov
# Номер урока	49

💡 Полезные ссылки:
https://www.w3schools.com/css/css3_2dtransforms.asp
https://www.w3schools.com/cssref/css3_pr_animation.php
https://developer.mozilla.org/en-US/docs/Web/CSS/rotate

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="styles.css">
    <title>Transform, Animation, Transition</title>
</head>

<body>
    <div class="container">
        <aside class="sidebar">
            <a href="#">Home</a>
            <a href="#">About</a>
            <a href="#">Contact</a>
        </aside>

        <input type="checkbox" name="" id="" class="toggler">

        <div class="animated-box">T E X T</div>
    </div>
</body>

</html>
```

```css
* {
    box-sizing: border-box;
}

body {
    margin: 0;
    overflow: hidden;
```

```css
    }

    .sidebar {
        width: 360px;
        height: 100vh;
        background-color: #B4A4FF;
        border-right: 20px solid #19376D;
        display: flex;
        justify-content: center;
        align-items: start;
        column-gap: 10px;
        padding-top: 50px;
        box-sizing: content-box;
        /* transform: translateX(-360px);
        transition: transform 1s; */
        translate: -360px 0;
        transition: translate 1s;
        cursor: pointer;
    }

    .sidebar:hover {
        /* transform: translateX(0); */
        translate: 0;
    }

    .container {
        display: flex;
        justify-content: start;
        align-items: start;
        column-gap: 80px;
    }

    .animated-box {
        width: 250px;
        height: 250px;
        background-color: #FFB4B4;
        margin: 150px 0;
        border-radius: 0;
        display: flex;
        justify-content: center;
        align-items: center;
        /* transform: rotate(0);
        transition: transform 3s, border-radius 3s; */
        rotate: 0;
        transition: rotate 3s, border-radius 3s;
        animation: rotation2 3s infinite ease-in-out;
    }

    .animated-box:hover {
        border-radius: 50%;
        /* transform: rotate(180deg); */
        rotate: z 180deg;
    }

    @keyframes rotation1 {
        from {
            /* transform: rotate(0); */
            rotate: 0;
        }
        to {
            /* transform: rotate(360deg); */
            rotate: z 360deg;
        }
    }


    @keyframes rotation2 {
        0% {
            /* transform: rotate(0); */
            rotate: 0;
            border-radius: 0;
        }
        50% {
            border-radius: 50%;
        }
        100% {
            /* transform: rotate(360deg); */
            rotate: z 360deg;
            border-radius: 0;
        }
    }

    .toggler {
        width: 50px;
```

```css
    height: 50px;
    order: 3;
}

.toggler:checked + .animated-box {
    animation-play-state: paused;
}

/* animation: name duration timing-function delay iteration-count direction fill-mode; */

/*
    The animation property is a shorthand property for:

    animation-name
    animation-duration
    animation-timing-function
    animation-delay
    animation-iteration-count
    animation-direction
    animation-fill-mode
    animation-play-state
*/
```