```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Rainbow Background Animation</title>
    <style>
        /* Define the keyframes for the rainbow background animation */
        @keyframes rainbow-background {
            0% {
                background-color: red;
            }
            16.7% {
                background-color: orange;
            }
            33.3% {
                background-color: yellow;
            }
            50% {
                background-color: green;
            }
            66.7% {
                background-color: blue;
            }
            83.3% {
                background-color: indigo;
            }
            100% {
                background-color: violet;
            }
        }

        /* Apply the animation to elements with the RainbowBackground class */
        .RainbowBackground {
            width: 200px;
            height: 200px;
            animation: rainbow-background 5s infinite;
        }
    </style>
</head>
<body>
    <!-- Apply the RainbowBackground class to an element -->
    <div class="RainbowBackground"></div>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Hover Effect Example</title>
    <style>
        .Example {
            height: 100px;
            background: #fff;
            transition: height 0.5s, background 0.5s;
        }

        .Example:hover {
            height: 120px;
            background: #ff0000;
        }
    </style>
</head>
<body>
    <div class="Example">Hover me</div>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Hover Effect Example</title>
    <style>
        .Example {
            height: 100px;
            background: #fff;
            transition: all 400ms ease;
        }

        .Example:hover {
            height: 120px;
            background: #ff0000;
        }
    </style>
</head>
<body>
    <div class="Example">Hover me</div>
</body>
```

```
</html>
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```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Hover Effect Example</title>
    <style>
        .Example {
            height: 100px;
            background: #fff;
            transition: all 400ms ease;
            -moz-transition: all 400ms ease; /* Firefox */
            -webkit-transition: all 400ms ease; /* Safari and Chrome */
        }

        .Example:hover {
            height: 120px;
            background: #ff0000;
        }
    </style>
</head>
<body>
    <div class="Example">Hover me</div>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Animation Example</title>
    <style>
        @keyframes slidein {
            0% {
                transform: translateX(0);
            }
            100% {
                transform: translateX(100px);
            }
```

```
        }

        .animated-element {
            width: 100px;
            height: 100px;
            background-color: blue;
            animation-duration: 3s;
            animation-timing-function: ease-in;
            animation-delay: 1s;
            animation-iteration-count: 2;
            animation-direction: reverse;
            animation-fill-mode: both;
            animation-play-state: paused;
            animation-name: slidein;
        }

        /* You can add more styles or keyframes as needed */
    </style>
</head>
<body>
    <div class="animated-element"></div>
</body>
</html>




<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Animation Example</title>
    <style>
        @keyframes slidein {
            0% {
                transform: translateX(0);
                opacity: 1;
            }
            100% {
                transform: translateX(100px);
                opacity: 0.5;
            }
        }

        .Example {
            width: 100px;
            height: 100px;
            background-color: blue;
```

```
            animation-duration: 3s;
            animation-timing-function: ease-in;
            animation-delay: 1s;
            animation-iteration-count: 2;
            animation-direction: reverse;
            animation-fill-mode: both;
            animation-play-state: paused;
            animation-name: slidein;
            will-change: transform, opacity;
        }

        /* You can add more styles or keyframes as needed */
    </style>
</head>
<body>
    <div class="Example"></div>
</body>
</html>
```