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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Calc() Examples</title>
  <style>
    /* Using calc() to calculate the width of a div element */
    #div1 {
      position: absolute;
      left: 50px;
      width: calc(100% - 100px);
      border: 1px solid black;
      background-color: yellow;
      padding: 5px;
      text-align: center;
    }

    /* Using calc() to determine the position of a background-image */
    .background-example {
      background-image: url('your-background-image.jpg');
      background-position: calc(50% + 17px) calc(50% + 10px), 50% 50%;
      /* Add additional background properties here */
    }

    /* Using calc() to determine the height of an element */
    .height-example {
      height: calc(100% - 20px);
      /* Add additional styling for this element here */
    }
  </style>
</head>
<body>
  <div id="div1">Example div with calculated width</div>

  <div class="background-example">
    <!-- Content with a background-image whose position is calculated -->
  </div>

  <div class="height-example">
    <!-- Example element with calculated height -->
  </div>
</body>
</html>

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<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Blockquote Example</title>
  <style>
    /* CSS code for appending a character before and after the text inside a
<blockquote> element */
    blockquote[data-mark]::before,
    blockquote[data-mark]::after {
      content: attr(data-mark);
    }
  </style>
</head>
<body>
  <!-- Example of a <blockquote> element with a data-mark attribute -->
  <blockquote data-mark="'">This is a quoted text.</blockquote>
</body>
</html>

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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Variables Example</title>
  <style>
    /* Set a CSS variable */
    :root {
      --primary-color: blue;
    }

    /* Access the CSS variable */
    .my-text {
      color: var(--primary-color);
    }
  </style>
</head>
<body>
  <p class="my-text">This text is styled with the primary color.</p>
</body>
</html>

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<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Radial Gradient Example</title>
  <style>
    /* Apply a radial gradient background */
    body {
      background: radial-gradient(circle, red, orange, yellow);
      height: 100vh; /* Ensure the gradient covers the entire viewport height
*/
      margin: 0; /* Remove default margin */
      display: flex;
      justify-content: center;
      align-items: center;
    }

    /* Additional styling for demonstration */
    h1 {
      color: white;
      text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.5);
    }
  </style>
</head>
<body>
  <h1>Radial Gradient Example</h1>
</body>
</html>

```

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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Linear Gradient Example</title>
  <style>
    /* Apply a linear gradient background */
    body {
      background: linear-gradient(0deg, red, yellow 50%, blue);
      height: 100vh; /* Ensure the gradient covers the entire viewport height
*/
      margin: 0; /* Remove default margin */
      display: flex;
      justify-content: center;
      align-items: center;
    }
  </style>
</head>
<body>
  <h1>Linear Gradient Example</h1>
</body>
</html>

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```
        /* Additional styling for demonstration */
        h1 {
            color: white;
            text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.5);
        }
    </style>
</head>
<body>
    <h1>Linear Gradient Example</h1>
</body>
</html>
```