

Complete CSS and HTML for Background Properties

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Background Properties Examples</title>
  <style>
    /* CSS Background Properties */

    /*
      1. background-color
      - Sets the background color of an element.
    */
    .bg-color {
      background-color: #f0f0f0; /* Light gray background */
      padding: 20px;
      margin: 10px 0;
    }

    /*
      2. background-image
      - Sets one or more background images for an element.
    */
    .bg-image {
      background-image: url('https://via.placeholder.com/200'); /*
Placeholder image */
      padding: 20px;
      margin: 10px 0;
    }

    .bg-gradient {
      background-image: linear-gradient(to right, red, yellow);
      padding: 20px;
      margin: 10px 0;
    }

    /*
      3. background-repeat
      - Defines how background images are repeated.
    */
    .bg-repeat {
      background-image: url('https://via.placeholder.com/50');
      background-repeat: repeat; /* Default: repeat */
      padding: 20px;
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    margin: 10px 0;
}

.bg-no-repeat {
    background-image: url('https://via.placeholder.com/50');
    background-repeat: no-repeat;
    padding: 20px;
    margin: 10px 0;
}

/*
  4. background-position
  - Sets the starting position of a background image.
*/
.bg-position {
    background-image: url('https://via.placeholder.com/200');
    background-position: center top; /* Image centered at the top */
    padding: 20px;
    margin: 10px 0;
}

/*
  5. background-size
  - Defines the size of the background image.
*/
.bg-size-cover {
    background-image: url('https://via.placeholder.com/200');
    background-size: cover; /* Image covers the entire element */
    padding: 20px;
    margin: 10px 0;
}

.bg-size-contain {
    background-image: url('https://via.placeholder.com/200');
    background-size: contain; /* Image fits within the element */
    padding: 20px;
    margin: 10px 0;
}

/*
  6. background-attachment
  - Determines whether the background image scrolls with the content or
  stays fixed.
*/
.bg-attachment-fixed {
    background-image: url('https://via.placeholder.com/200');
    background-attachment: fixed; /* Image stays fixed while scrolling */
    padding: 20px;
    margin: 10px 0;
}

```

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/*
 7. background-origin
    - Defines the origin of the background image relative to the element's
box.
*/
.bg-origin {
  background-image: url('https://via.placeholder.com/200');
  background-origin: content-box; /* Image starts from the content box
*/
  padding: 20px;
  margin: 10px 0;
}

/*
 8. background-clip
    - Specifies the area to which the background (color or image) is
clipped.
*/
.bg-clip {
  background-color: yellow;
  background-clip: content-box; /* Background clipped to the content box
*/
  padding: 20px;
  margin: 10px 0;
}

/*
 9. background-blend-mode
    - Defines how background images and colors blend with each other.
*/
.bg-blend {
  background-image: url('https://via.placeholder.com/200'), linear-
gradient(to right, red, yellow);
  background-blend-mode: multiply; /* Blends two images using multiply
mode */
  padding: 20px;
  margin: 10px 0;
}

/*
 10. Shorthand: background
    - Combines all background properties into a single declaration.
*/
.bg-shorthand {
  background: #ffffff url('https://via.placeholder.com/200') no-repeat
fixed center / cover content-box content-box;
  padding: 20px;
  margin: 10px 0;
}

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/*
  Example of Multiple Background Images
*/
.multi-bg {
  background:
    url('https://via.placeholder.com/100') no-repeat top left / 50%
auto,
    url('https://via.placeholder.com/100') no-repeat bottom right / 50%
auto,
    linear-gradient(to bottom, rgba(255, 255, 255, 0.5), rgba(0, 0, 0,
0.5));
  padding: 20px;
  margin: 10px 0;
}

/* Additional Styling for Examples */
.example {
  border: 2px solid black;
  padding: 10px;
  margin: 10px 0;
}
</style>
</head>
<body>

<!-- Example 1: Background Color -->
<h2>1. Background Color</h2>
<div class="bg-color">Background Color: Light Gray</div>

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<!-- Example 2: Background Image -->
<h2>2. Background Image</h2>
<div class="bg-image">Background Image: Placeholder</div>
<div class="bg-gradient">Background Gradient: Red to Yellow</div>

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<!-- Example 3: Background Repeat -->
<h2>3. Background Repeat</h2>
<div class="bg-repeat">Background Repeat: Default (Repeat)</div>
<div class="bg-no-repeat">Background Repeat: No Repeat</div>

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<!-- Example 4: Background Position -->
<h2>4. Background Position</h2>
<div class="bg-position">Background Position: Center Top</div>

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<!-- Example 5: Background Size -->
<h2>5. Background Size</h2>
<div class="bg-size-cover">Background Size: Cover</div>
<div class="bg-size-contain">Background Size: Contain</div>

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<!-- Example 6: Background Attachment -->
<h2>6. Background Attachment</h2>
<div class="bg-attachment-fixed">Background Attachment: Fixed</div>

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<!-- Example 7: Background Origin -->
<h2>7. Background Origin</h2>
<div class="bg-origin">Background Origin: Content Box</div>

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<!-- Example 8: Background Clip -->
<h2>8. Background Clip</h2>
<div class="bg-clip">Background Clip: Content Box</div>

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<!-- Example 9: Background Blend Mode -->
<h2>9. Background Blend Mode</h2>
<div class="bg-blend">Background Blend Mode: Multiply</div>

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<!-- Example 10: Shorthand Background -->
<h2>10. Shorthand Background</h2>
<div class="bg-shorthand">Shorthand Background</div>

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<!-- Example 11: Multiple Background Images -->
<h2>11. Multiple Background Images</h2>
<div class="multi-bg">Multiple Background Images</div>

</body>
</html>
```