





S014: CSS Styling

Definitions/Concepts	
Gradient feature	<ul style="list-style-type: none">Gradient feature provides a flexible solution to generate smooth transitions between two or more colors.Gradients are available in two styles: linear and radial. <div></div> <ul style="list-style-type: none">Earlier for doing something of this sort, one had to use an image as a background, which required resources and also made the page slow to load.
Linear Gradient (top to bottom)	<ul style="list-style-type: none">To create a linear gradient you must define at least two color stops.The following is a syntax for applying a linear gradient of blue and light blue color. <pre>linear-gradient(blue, lightblue)</pre> <ul style="list-style-type: none">By default, the direction of linear gradient is from top to bottom.Blue and light blue here are known as color stops. You can also have more than two color stops in your gradient as well.
To apply Linear gradients from the left to right or vice versa	<ul style="list-style-type: none">You will need to specify the direction of your gradient and the following syntax is used to apply a linear gradient with a user defined direction. <pre>linear-gradient(direction, color-stop1, color-stop2, ...)</pre> <ul style="list-style-type: none">An example for a left to right gradient of red and pink color will have the following format: <pre>linear-gradient(to right, red, pink);</pre>



To apply Linear gradients from bottom left to top right:	<pre>linear-gradient(to top right, red, pink);</pre>
Linear gradients using 3 colours	<ul style="list-style-type: none">• We can do so by using the following code: <pre>linear-gradient(red, yellow, lime);</pre>• There are innumerable effects and designs that can be created using gradients. It just depends on the developer how to achieve that.
Radial Gradient	<ul style="list-style-type: none">• The radial gradient feature applies a gradient in a circular fashion.• Radial gradient is applied in the same manner as linear gradient and except the “linear-gradient” property, “radial-gradient” Property will be used. <pre>circular-gradient(red, yellow, lime);</pre>
Border styling	<ul style="list-style-type: none">• All the elements are borderless and squares by default.• But if you have noticed, you always encounter elements on web pages with borders that are either circular, round cornered etc.• The “border” family helps us with such applications, such as creating different styles of borders, different shapes etc.• Borders appear directly between the margin and padding of an element. The border can either be a predefined style like, solid line, dotted line, double line, etc. or an image.
Border-style property	<ul style="list-style-type: none">• The border-style property sets the style of a box's border such as: solid, dotted, etc. It is a shorthand property for setting the line style for all four sides of the element's border.• The border-style property can have the following values: none, hidden, solid, dashed, dotted, double, inset, outset, groove, and ridge.
Border-width property	<ul style="list-style-type: none">• The “border-width” property specifies the width of the border area. It is a shorthand property for setting the thickness of all



	<p>the four sides of an element's border at the same time.</p> <pre>border-width: 10px;</pre>
border-color property	<ul style="list-style-type: none"> The “border-color” property specifies the color of the border area. This is also a shorthand property for setting the color of all the four sides of an element's border. <pre>border-color: red;</pre> <ul style="list-style-type: none"> Here you can use the # code value of colors as well.
border short-hand property	<ul style="list-style-type: none"> The border CSS property is a shorthand property for setting one or more of the individual border properties border-width, border-style and border-color in a single rule. <p>For example:</p> <p>If you had to define a border of the solid type of red color and a border width of 10px, You can do that in a single line by adding the following property:</p> <pre>border: 5px solid #00ff00;</pre> <p>5px: border width Solid: border-style #00ff00: border-color</p>

Activity links and Solutions

[Student Activity 1: Gradient](#)

[Linear Gradient and Radial Gradient](#)

[HTML](#)

```

</html>
<body>
  <div class="lineargradient">This
  is linear gradient</div>
  <div
  class="lineardiagonalgradient">This
  is a diagonal gradient</div>
  <div class="radialgradient">This
  is a diagonal gradient</div>
</body>
</html>

```

CSS

```

.lineargradient {
  color: #fff;
  width: 100px;
  height: 100px;
  background: linear-
gradient(blue, lightblue);
}

```

```

.diagonalgradient {
  margin-top: 5px;
  color: #fff;
  width: 100px;
  height: 100px;
  background: linear-gradient(to
top right,red, pink);
}

```

```

.lineardiagonalgradient {
  margin-top: 5px;
  color: #fff;
  width: 100px;
  height: 100px;
  background: linear-gradient(to
top right,red, pink);
}

```

```

.radialgradient
{
  margin-top: 5px;
  color: #fff;
  width: 100px;
  height: 100px;
  background: radial-
gradient(red, yellow);
}

```

Output:



This is linear
gradient

This is a
diagonal
gradient

This is a
diagonal
gradient

Student Activity 2: Border styling

HTML

```
<h1 class="dotted">Dotted  
Borders</h1>  
<h1 class="ridged">Ridged  
Borders</h1>  
<h1 class="outset">Outset  
Borders</h1>  
<h1 class="double">Double  
Borders</h1>
```

CSS

```
.dotted {  
    border-style: dotted;  
}  
.ridged {  
    border-style: ridge;  
}  
.outset {  
    border-style: outset;  
}  
.double {  
    border-style: double;  
}
```



Output:

Dotted Borders

Ridged Borders

Outset Borders

Double Borders

FunFacts

TYPEWRITER is the longest word that you can write using the letters only on one row of the keyboard of your computer.