

fill() METHOD IN HTML5 CANVAS

- The fill() method is one of the canvas method.
- This method is used to fills the current drawing (path).

Syntax for fill() method in HTML5 CANVAS:

```
context . fill( ) ;
```

Sample coding for fill() method in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
    <title>wikitechy - HTML canvas fill() method </title>
  </head>
  <body>
    <h1>wikitechy-HTML canvas fill() method with example:</h1>
    <canvas id="wikitechyCanvas" width="500" height="250"
      style="border:1px solid #d3d3d3;" > </canvas>
    <script>
      var m = document.getElementById("wikitechyCanvas");
      var mas = m.getContext("2d");
      mas.beginPath();
      mas.rect(30, 30, 200, 150);
      mas.fillStyle = "green";
      mas.fill();

      mas.beginPath();
      mas.rect(60, 60, 200, 150);
      mas.fillStyle = "red";
      mas.fill();
    </script>
  </body>
</html>
```



Code Explanation for fill() method in HTML5 Canvas:

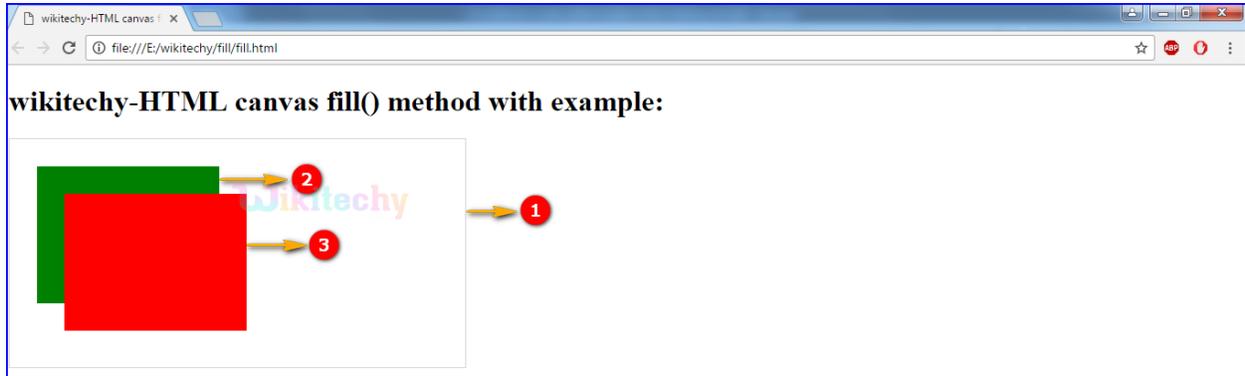
```
<!DOCTYPE html>
<html>
  <head>
    <title>wikitechy-HTML canvas fill() method </title>
  </head>
  <body>
    <h1>wikitechy-HTML canvas fill() method with example:</h1>
    <canvas id="wikitechyCanvas" width="500" height="250"
      style="border:1px solid #d3d3d3;"></canvas>
    <script>

      var m = document.getElementById("wikitechyCanvas");
      var mas = m.getContext("2d");
      mas.beginPath();
      mas.rect(30, 30, 200, 150);
      mas.fillStyle = "green";
      mas.fill();

      mas.beginPath();
      mas.rect(60, 60, 200, 150);
      mas.fillStyle = "red";
      mas.fill();
    </script>
  </body>
</html>
```

1. **"WikitechyCanvas"** is used to declare the id value of the canvas tag.
2. **getElementById** method is used to get the id value as **"wikitechyCanvas"** from the canvas for draw a rectangle on the canvas.
3. **getContext("2d")** is used to draw a two-dimension figure on the canvas.
4. **beginpath()** method is used to begins the path for rectangle.
5. The **fillStyle** property is used to set the **green** color in first rectangle.
6. The **fill()** method is used to fill **green** color to the first rectangle.
7. **fillStyle** property is used to set the **red** color in second rectangle.
8. The **fill()** method is used to fill the second rectangle.

Output for fill() method in HTML5 Canvas:



1. The output shows that a canvas rectangle with width as 500 and height as 250.
2. The first rectangle filled with green color.
3. The second rectangle filled with red color.

Browser Support for fill() method in HTML5 Canvas:

Browser	Support
Chrome	Yes
Internet explorer / Edge	9.0
Firefox	Yes
Safari	Yes
Opera	Yes

Tips and Notes

- The fillstyle property is used to fill the another color or gradient.
- If the path is not closed, the fill() method will add a line from the last point to the startpoint of the path to close the path, and then fill the path.

