

clearRect() METHOD IN HTML5 CANVAS

- The clearRect() is a method of HTML <canvas> element.
- It is used to erase a specified pixel in the canvas rectangle.

Syntax for clearRect() method in HTML5 Canvas:

```
context.clearRect(x,y,width,height);
```

Attributes values for clearRect() method in HTML5 Canvas:

Value	Description
x	The x axis coordinate of the rectangle starting point.
y	The y axis coordinate of the rectangle starting point.
width	It is used to set a width for the rectangle.
height	It is used to set a height for the rectangle.

Sample coding for clearRect() method in HTML5 Canvas :

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy HTML Canvas clearRect with example</title>
  </head>
  <body>
    <h2>HTML Canvas clearRect with example</h2>
    <canvas id="wikitechyCanvas" width="370" height="200"
      style="border:1px solid blue;">
    </canvas>
    <script>
      var a = document.getElementById("wikitechyCanvas");
      var context = a.getContext("2d");
      context.fillStyle = "green";
      context.fillRect(35, 20, 300, 160);
      context.clearRect(90, 70, 170, 70);
    </script>
  </body>
</html>
```

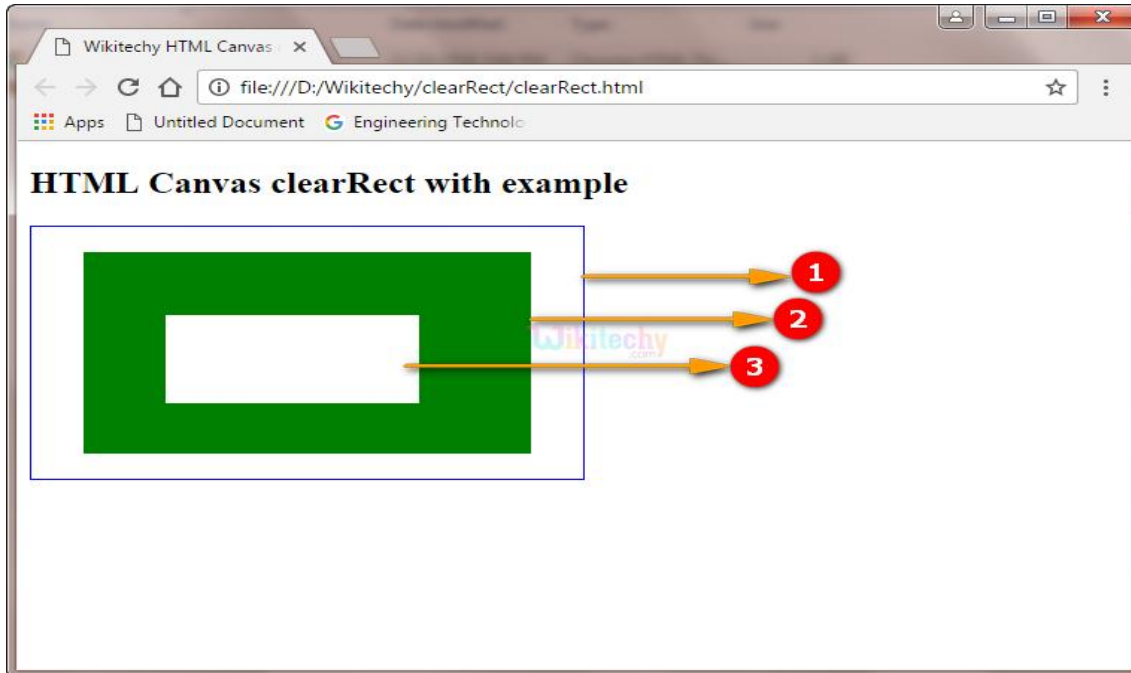


Code Explanation for clearRect() method in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy HTML Canvas clearRect with example</title>
  </head>
  <body>
    <h2>HTML Canvas clearRect with example</h2>
    1 ← <canvas id="wikitechyCanvas" width="370" height="200"
        style="border:1px solid blue;">
        2 ↑
    </canvas>
    <script>
      var a = document.getElementById("wikitechyCanvas");
      3 ← var context = a.getContext("2d");
      context.fillStyle = "green"; → 4
      5 ← context.fillRect(35, 20, 300, 160);
      6 ← context.clearRect(90, 70, 170, 70);
    </script>
  </body>
</html>
```

1. **"wikitechyCanvas"** is used to define the id attribute value for canvas element.
2. The **getElementById();** method is used to get the element that has the id attributes value as **"wikitechyCanvas"**.
3. **a.getContext("2d")** method is returns a two-dimensional drawing context on the canvas.
4. **fillStyle** property is used to fill the green color to the rectangle.
5. The **fillRect()** method is used to draw a green color rectangle on the canvas with the help of fillStyle property.
6. The **clearRect()** method is used to erase specified pixel from a filled rectangle on the canvas.

Sample Output for clearRect() method in HTML5 Canvas:



1. The canvas rectangle with blue border.
2. This shows that a rectangle drawn by using fillRect method.
3. This shows that a clearRect() method is erase a specified pixel from a filled rectangle.

Browser Support for clearRect() method in HTML5 Canvas:

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