

## textBaseline PROPERTY IN HTML5 CANVAS

1. The textBaseline property is one of the canvas property.
2. The textBaseline property is used to sets or returns to draw the current text baseline.



### Syntax for textBaseline property in HTML5 Canvas:

```
Context.textBaseline="alphabetic | top | hanging | middle | ideographic | bottom";
```

### Property Values :

Values	Description
alphabetic	The alphabetic baseline is the normal text baseline
top	The text baseline is the top of the em square
hanging	The text baseline is the hanging baseline
middle	The text baseline is the middle of the em square
ideographic	The text baseline is the ideographic baseline
bottom	The text baseline is the bottom of the bounding box

## Sample coding for textBaseline Property in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
    <title>wikitechy-HTML Canvas textBaseline</title>
  </head>
  <body>
    <h1>wikitechy-HTML Canvas textBaseline with example: </h1>
    <canvas id="wikitechyCanvas" width="600" height="300" style="border:1px
solid #d3d3d3;"> </canvas>
    <script>
      var d = document.getElementById("wikitechyCanvas");
      var del = d.getContext("2d");
      del.strokeStyle = "blue";
      del.moveTo(30, 150);
      del.lineTo(550, 150);
      del.stroke();
      del.font = "25px Times New Roman";
      del.textBaseline = "top";
      del.fillText("Top", 30, 150);
      del.textBaseline = "bottom";
      del.fillText("Bottom", 100, 150);
      del.textBaseline = "middle";
      del.fillText("Middle", 200, 150);
      del.textBaseline = "alphabetic";
      del.fillText("Alphabetic", 300, 150);
      del.textBaseline = "hanging";
      del.fillText("Hanging", 420, 150);
    </script>
  </body>
</html>
```



## Code Explanation for textBaseline Property in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Wikitechy-HTML Canvas textBaseline</title>
  </head>
  <body>
    <h1>Wikitechy HTML Canvas textBaseline with example:</h1>
    <canvas id="wikitechyCanvas" width="600" height="300"
      style="border:1px solid #d3d3d3;">
    </canvas>

    <script>

      var d = document.getElementById("wikitechyCanvas");
      var del = d.getContext("2d");

      del.strokeStyle = "blue";
      del.moveTo(30, 150);
      del.lineTo(550, 150);
      del.stroke();

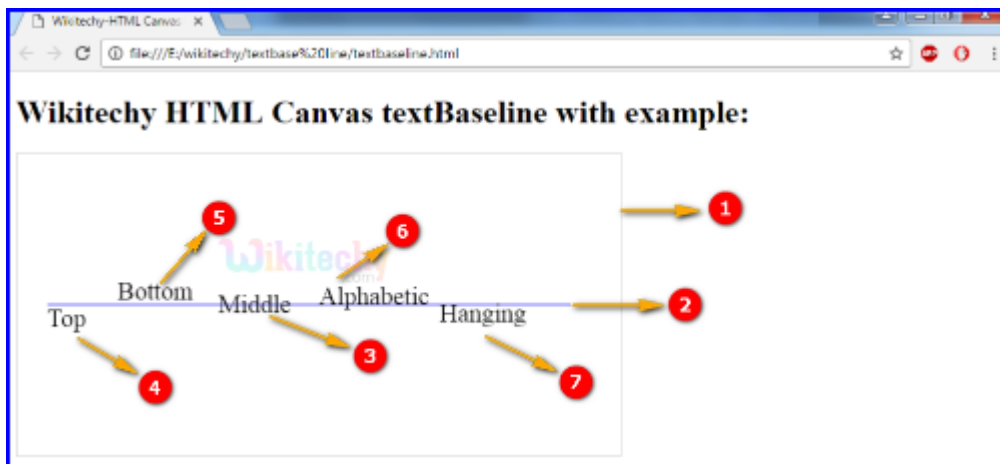
      del.font = "25px Times New Roman";

      del.textBaseline = "top";
      del.fillText("Top", 30, 150);
      del.textBaseline = "bottom";
      del.fillText("Bottom", 100, 150);
      del.textBaseline = "middle";
      del.fillText("Middle", 200, 150);
      del.textBaseline = "alphabetic";
      del.fillText("Alphabetic", 300, 150);
      del.textBaseline = "hanging";
      del.fillText("Hanging", 420, 150);

    </script>
  </body>
</html>
```

1. **“Wikitechy canvas”** is used to declare the id value of the canvas tag.
2. **getElementById**: method is used to draw the element from id.
3. **getContext()**: returns an object that provides methods and properties for drawing on the canvas.
4. **strokeStyle** this property is used to set the blue color path.
5. The **moveTo()** method is used to set the starting point at(30, 150) in (x,y) direction.
6. The **lineTo()** method is used to set the ending point at(550, 150) in (x,y) direction.
7. **stroke()**: this method is used to draw the actually path.
8. **font** property is used to set the font size is 25px Times New Roman.
9. **Top**: The text baseline is top to fill the text is (30, 150) in (x,y) direction.
10. **Bottom**:The text baseline is to fill the text is (100, 150) in (x,y) direction.
11. **Middle**:The text baseline is middle to fill the text is (200, 150) in (x,y) direction.
12. **Alphabetic**: the alphabetic baseline is normal baseLine, to fill the text is (300, 150) in (x,y) direction.
13. **Hanging**;The text baseline is hanging to fill the text is (420, 150) in (x,y) direction.
14. **fillText()**: In this method is used to draw the actual position on the text.

### Output of textBaseline Property in HTML5 Canvas:



1. canvas is used to draw a rectangle an textbaseline.
2. Here the output will be displays blue color baseline.
3. The texts are displays with **Middle** of the baseline font in “**25px Times New Roman**”.
4. The texts are displays with **Top** of the baseline font in “**25px Times New Roman**”.
5. The texts are displays with **Bottom** of the baseline font in “**25px Times New Roman**”.
6. The texts are displays with **Alphabetic** of the baseline font in “**25px Times New Roman**”.
7. The texts are displays with **Hanging** of the baseline font in “**25px Times New Roman**”.

### Browser Support for textBaseline property in HTML5 Canvas:

Browser	Language Attribute
Chrome	Yes
Internet explorer / Edge	9.0
Firefox	Yes
Safari	Yes
Opera	Yes

### Tips and Notes

- The **fillText()** or **strokeText()** method is used to draw the actually text on the canvas.