

FABRICJS

Framework that makes it easy to work with HTML5 canvas element.

```
// reference canvas element (with id="c")
var canvasEl = document.getElementById('c');

// get 2d context to draw on
var ctx = canvasEl.getContext('2d');

// set fill color of context
ctx.fillStyle = 'red';

// create rectangle at a 100,100 point
// with 20x20 dimensions
ctx.fillRect(100, 100, 20, 20);
```

WITH NATIVE <CANVAS> API

WITH FABRIC.JS

```
// create a wrapper around native canvas element (with id="c")
var canvas = new fabric.Canvas('c');

// create a rectangle object
var rect = new fabric.Rect({
  left: 100,
  top: 100,
  fill: 'red',
  width: 20,
  height: 20
});

// "add" rectangle onto canvas
canvas.add(rect);
```

```
var canvasEl = document.getElementById('c');  
var ctx = canvasEl.getContext('2d');  
ctx.fillStyle = 'red';  
  
ctx.translate(100, 100);  
ctx.rotate(Math.PI / 180 * 45);  
ctx.fillRect(-10, -10, 20, 20);
```

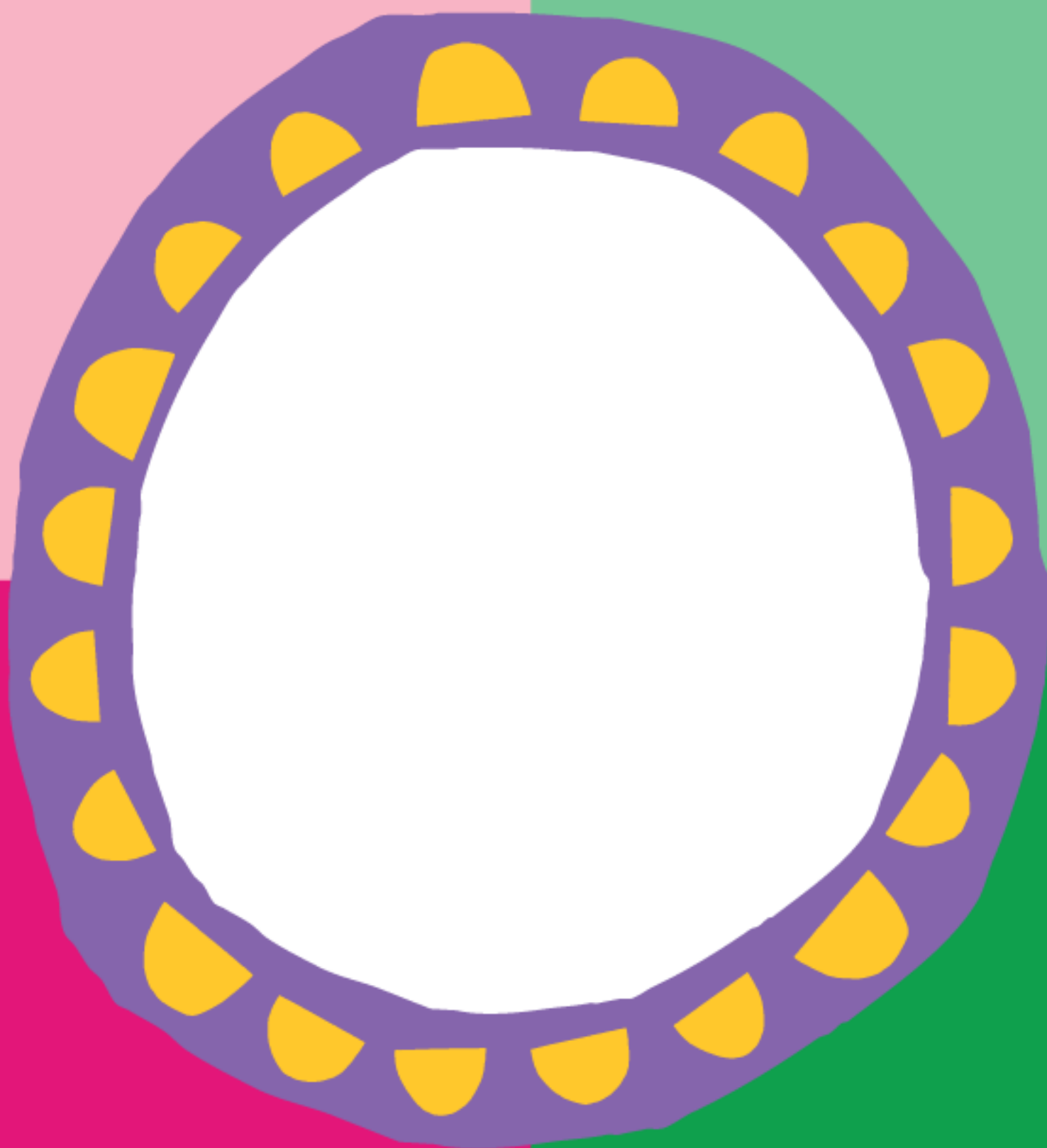
```
var canvas = new fabric.Canvas('c');  
  
// create a rectangle with angle=45  
var rect = new fabric.Rect({  
  left: 100,  
  top: 100,  
  fill: 'red',  
  width: 20,  
  height: 20,  
  angle: 45  
});  
  
canvas.add(rect);
```


Hello Ruby





Ruby likes



false

true

Example


```
<canvas id="canvas" width="600" height="600" style="border:1px solid #000000"></canvas>
```

```
<input class="shape" type="image" src="images/circle1.png" onclick="createCircle1('#888b8d')">
```

```
var canvas = new fabric.Canvas('canvas');

function createCircle1(color) {
  var circle1 = new fabric.Path('M46.2,0c3.9,0.3,7.4,1.1,10.5,2.4c2.4,1,4.7,1.6,6.7,2.9c2.1,1.3,3.8,3,5.7,4.4c4.3,3.2,7.6,7.1,11.1,11.1 \
c2.1,2.4,4.3,5.1,5.9,8c1.7,3.3,2.6,7,4,10.7c0.6,1.5,1,3.4,1.5,5c0.2,0.9,0.1,1.6,0.4,2.5c0.4,1.5,1.4,4.4,0.9,6.6 \
c-0.2,1.7-0.5,3.4-0.7,5.1c-0.7,3-1.2,6.3-2.2,9.2c-0.3,1-0.2,1.7-0.5,2.6c-0.8,2.2-1.5,4.7-2.4,6.7c-0.4,0.9-0.5,1.7-0.9,2.6 \
c-0.4,0.7-1.4,1.4-2,1.8c-0.3,0.3-0.6,0.7-0.9,1c-1.2,0.9-2.1,1.9-3.3,2.7c-0.7,0.5-1.2,1.2-1.8,1.7c-6.5,4.8-12.3,10.4-21.3,12.7 \
c-1.3,0.3-5.4,0.2-6.7,0c-0.7-0.1-2.3,0.2-3.3,0c-2.4-0.5-4.7-0.8-6.9-1.6c-4.5-1.7-7.9-4.7-11.5-7.4c-3-2.2-5.8-4.8-8.5-7.4 \
c-1.1-1.1-2.7-2.1-3.6-3.4c-0.8-1.1-2.1-2.6-2.6-3.7c-0.4-0.8-0.5-1.5-0.9-2.2c-0.8-1.4-1.8-2.8-2.6-4.2c-1.3-2.1-1.9-4.6-2.7-7.1 \
c-0.5-1.4-0.8-3.2-1.2-4.8c-0.1-1-0.2-2.1-0.3-3.1c-0.3-1.2-0.3-3.5-0.2-4.4c0.2-1.1-0.1-2.5,0.1-3.6c0-0.5,0-1,0-1.5 \
c0.3-2.1,0.5-4.1,0.8-6.2c1.3-5,2.1-9.9,3.8-14.4C13,18.5,17.3,14.2,21.7,10c1.6-1.6,3.3-3,5.1-4.4c0.4-0.3,0.7-0.7,1.1-1 \
c0.6-0.4,1.3-0.4,2-0.6c1.2-0.5,2.4-1.2,3.6-1.6c2.6-1.1,5.6-1.5,8.6-2.2c0.8-0.1,1.7-0.2,2.6-0.3C45,0.1,45.8,0.2,46.2,0z');
  circle1.set({
    fill: color
  });
  canvas.add(circle1);
}
```