

# HTML5 CANVAS ELEMENT TUTORIAL

## Introduction

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In this page we have discussed Description, Usage, Attributes, Example and Result, Compatibility of HTML5 canvas element.

## Description

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The Canvas (<canvas>) HTML element provides us with the opportunity to draw graphics on browser. Usually this is done with the help of JavaScript. HTML5 Canvas element opened a new channel of opportunities to create applications, awesome graphics and animations, all with HTML5 and JavaScript.

## Usage

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```
<canvas id="identification" width="width" height="height"></canvas>
```

Where, 'identification' is to identify the canvas block in an HTML page / application, 'width' and 'height' are width and height of the area used by canvas element to present the graphics or animation.

## Whether start and end tag are required

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Both the start tag and the end tag are mandatory.

## What a canvas element can contain

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It can contain either phrasing content or flow content.

## Which elements can contain canvas element

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Any element that accepts phrasing content or any element that accepts flow content.

## Attributes

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Besides global attributes, canvas element has two attributes, 'width' and 'height'. The following table shows the detail of those attributes.

Name of the attribute	Description	Default value
width	Width of the browser coordinate space taken by the associated canvas element to present graphics or animation. Measured in pixels.	300
height	height of the browser coordinate space taken by the associated canvas element to present graphics or animation. Measured in pixels.	150

## Example

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[view plainprint?](#)

```
1. <!DOCTYPE html>
2. <head>
3. <title>Canvas tutorial example</title>
4. <script type="text/javascript">
5. function draw(){
6. var canvas = document.getElementById('example');
7. if (canvas.getContext){
8. var ctx = canvas.getContext('2d');
9. }
10.}
11.</script>
12.<style type="text/css">
13.canvas { border: 2px solid red; }
14.</style>
15.</head>
16.<body onload="draw();">
17.<canvas id="example" width="250" height="250"></canvas>
18.</body>
19.</html>
```

## Result

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## Compatibility

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Feature	Firefox (Gecko)	Chrome	Internet Explorer	Opera	Safari
Basic support	1.5 (1.8)	1.0	9.0	9.0	1.0

Source : <http://www.w3resource.com/html5/canvas-element.php>