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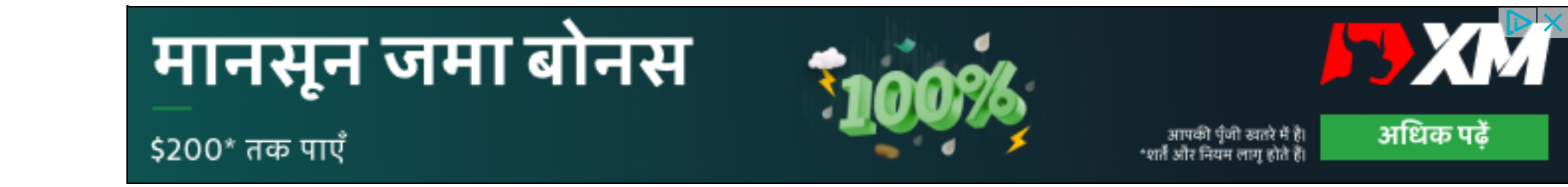
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CSS cubic-bezier() Function

◀ CSS Functions Reference

Example

A transition effect with variable speed from start to end:

```
div {
  width: 100px;
  height: 100px;
  background: red;
  transition: width 2s;
  transition-timing-function: cubic-bezier(0.1, 0.7, 1.0, 0.1);
}
```

Try it Yourself »

Definition and Usage

The cubic-bezier() function defines a Cubic Bezier curve.






A Cubic Bezier curve is defined by four points P0, P1, P2, and P3. P0 and P3 are the start and the end of the curve and, in CSS these points are fixed as the coordinates are ratios. P0 is (0, 0) and represents the initial time and the initial state, P3 is (1, 1) and represents the final time and the final state.

The cubic-bezier() function can be used with the [animation-timing-function](#) property and the [transition-timing-function](#) property.

Version: CSS3

Browser Support

The numbers in the table specify the first browser version that fully supports the function.

Function					
cubic-bezier()	4.0	10.0	4.0	3.1	10.5

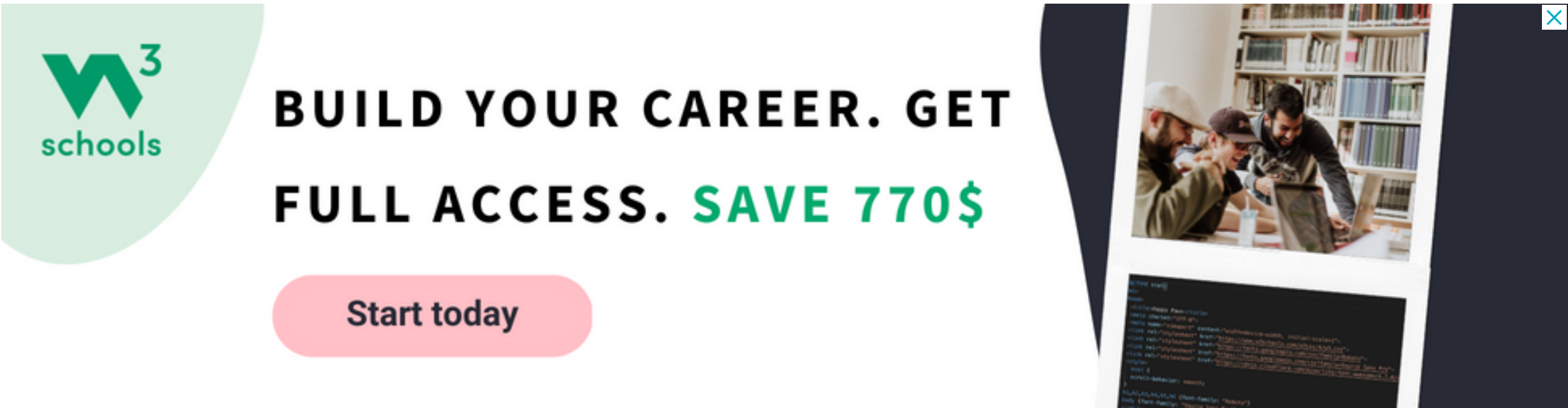
CSS Syntax

cubic-bezier(*x1,y1,x2,y2*)

Value	Description
<i>x1,y1,x2,y2</i>	Required. Numeric values. x1 and x2 must be a number from 0 to 1

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