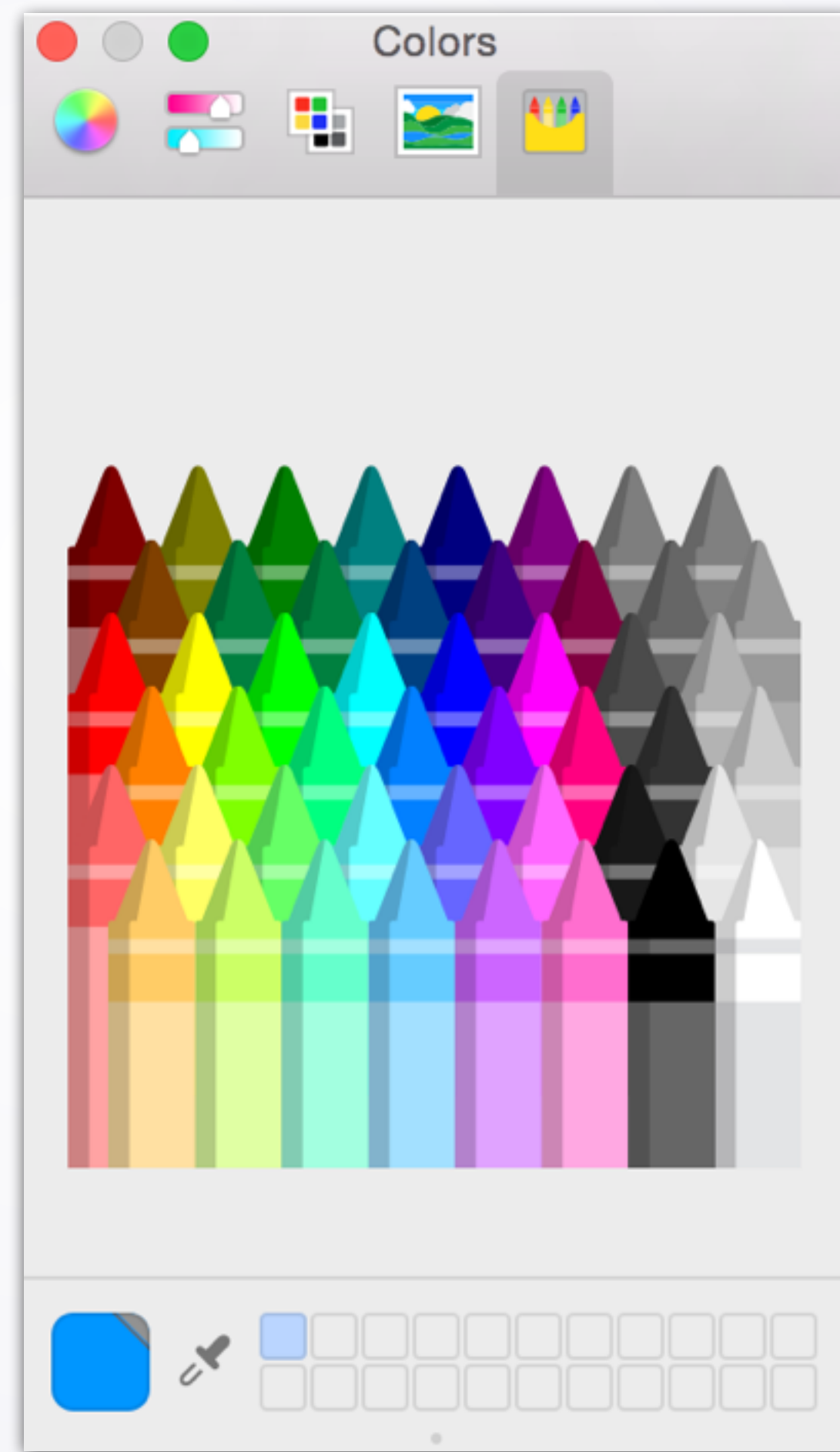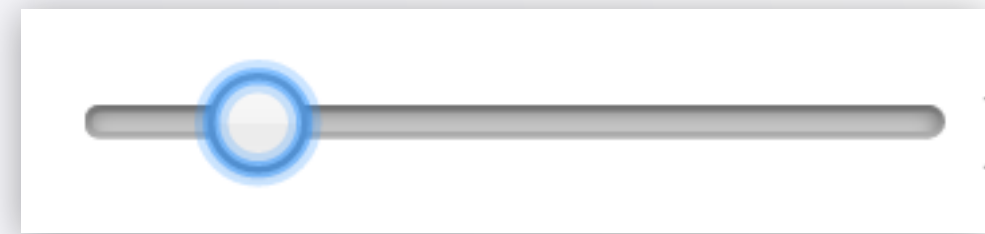# Event-Driven Programming
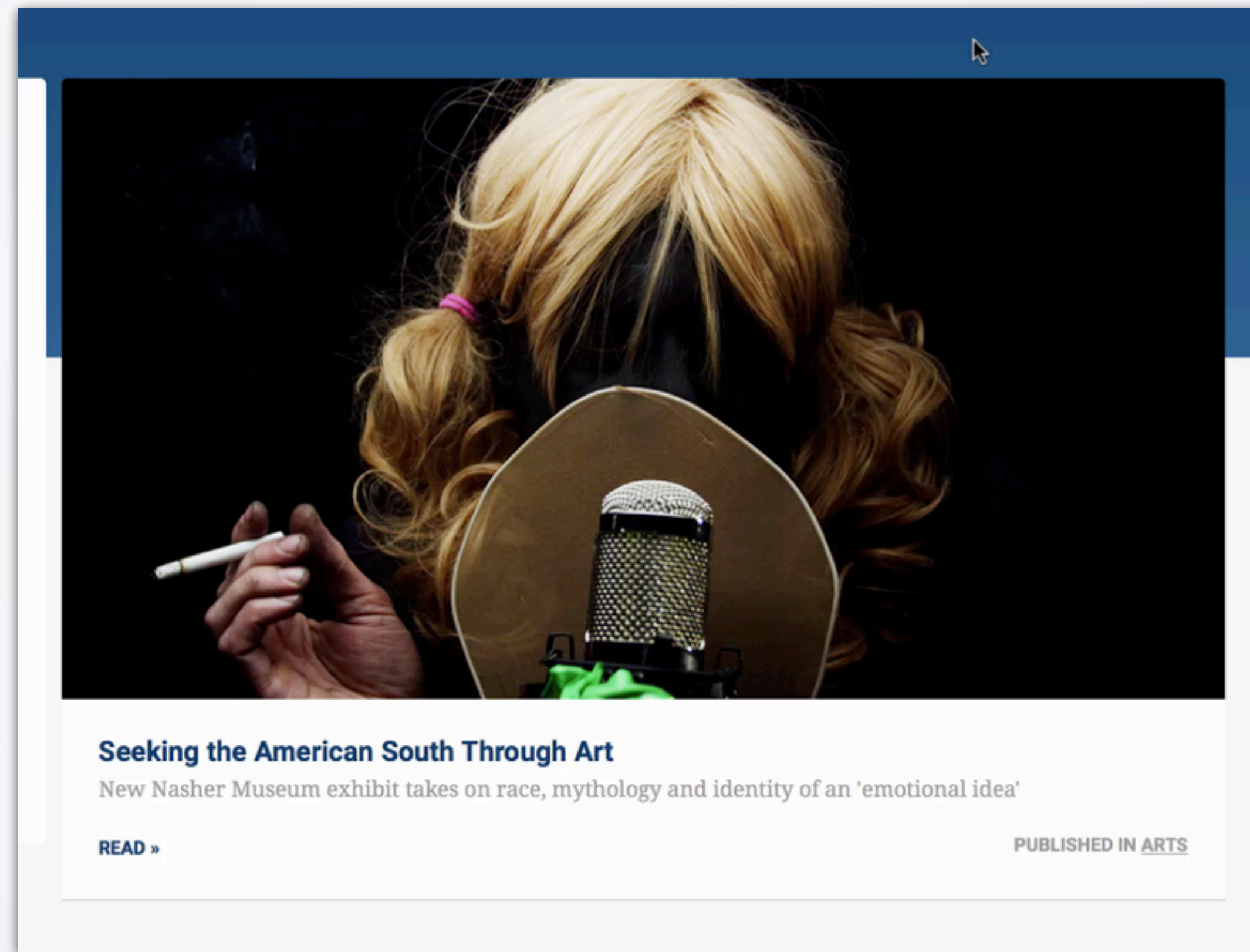
Inputs and Events

Inputs and Events

- The HTML <input> element gets input from the user and processes the input
  - Button
  - Text
  - Color picker
  - Range

Inputs and Events

- The HTML <input> element gets input from the user and processes the input

  - Button

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  - Color picker

  - Range

- Events

  - Mouse click

  - Mouse enter/leave

Seeking the American South Through Art
New Nasher Museum exhibit takes on race, mythology and identity of an 'emotional idea'

READ »   PUBLISHED IN ARTS

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Inputs and Events

- The HTML <input> element gets input from the user and processes the input
  - Button
  - Text
  - Color picker
  - Range
- Events
  - Mouse click
  - Mouse enter/leave
  - Field changes
  - Input given

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Search

Search   SEARCH 🔍

Showing 10 results

SORT BY: ORDER BY:

RELEVANCE   POST DATE   ASC   DESC
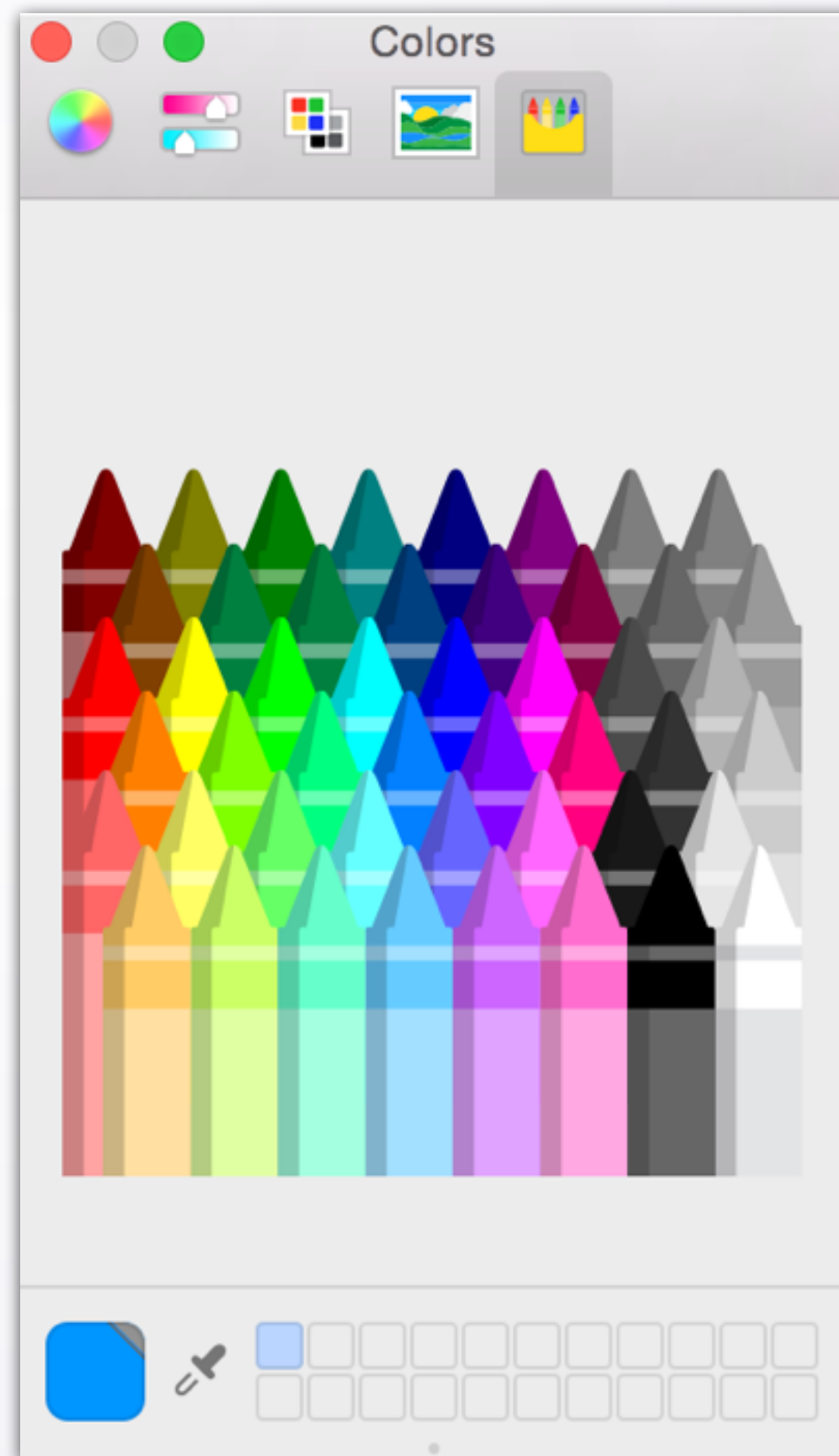
Gastric Bypass is Better than Other Procedures for Sustainable Weight Loss

READ ON CORPORATE.DUKEMEDICINE.ORG »   PUBLISHED AUGUST 31, 2016 IN MEDICINE , RESEARCH

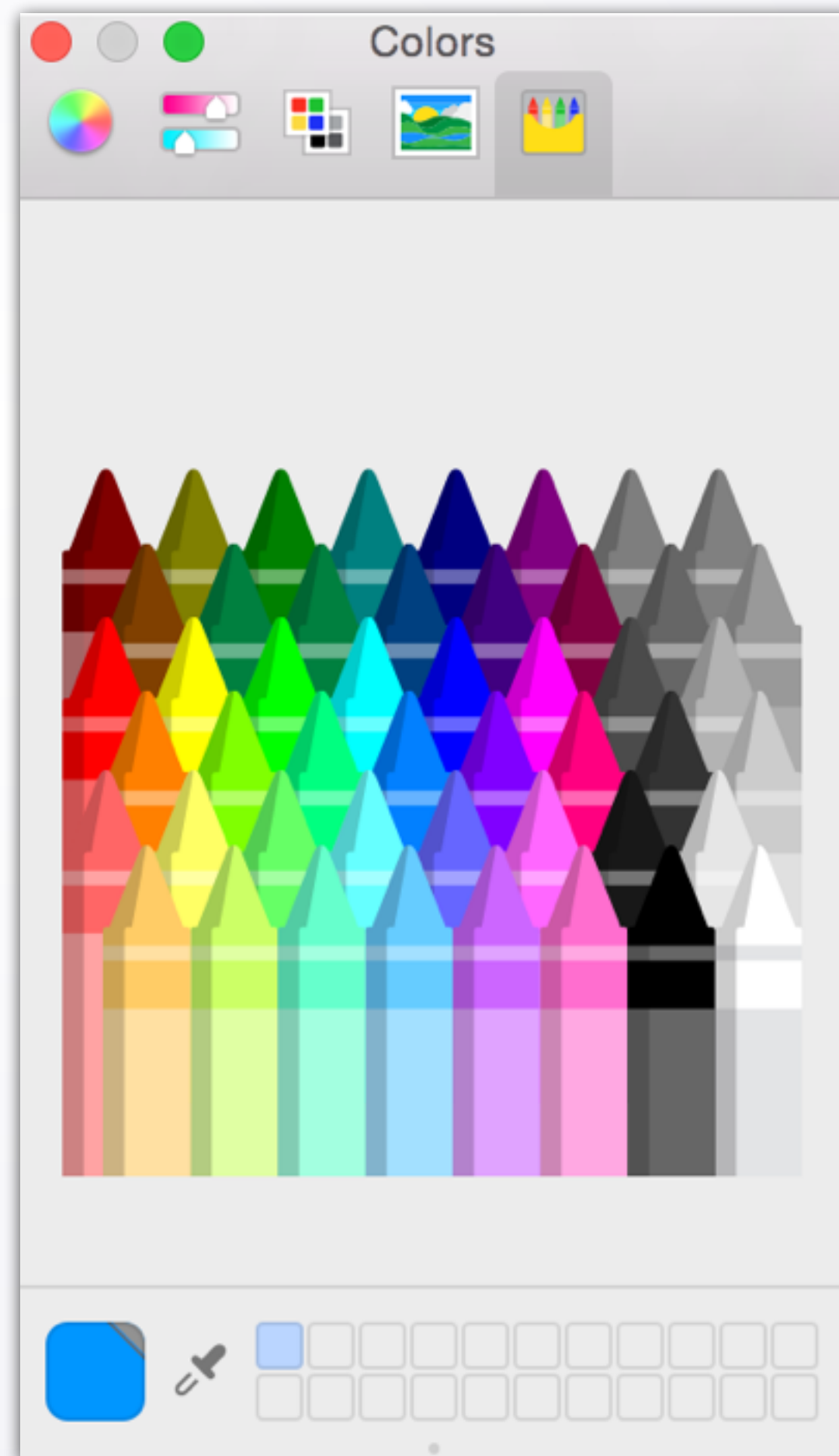# Color Picker

```
<input type="color" value="#001A57"
id="clr" onchange="docolor()" >
```

Color Picker

```
<input type="color" value="#001A57"

id="clr" onchange="docolor()" >
```
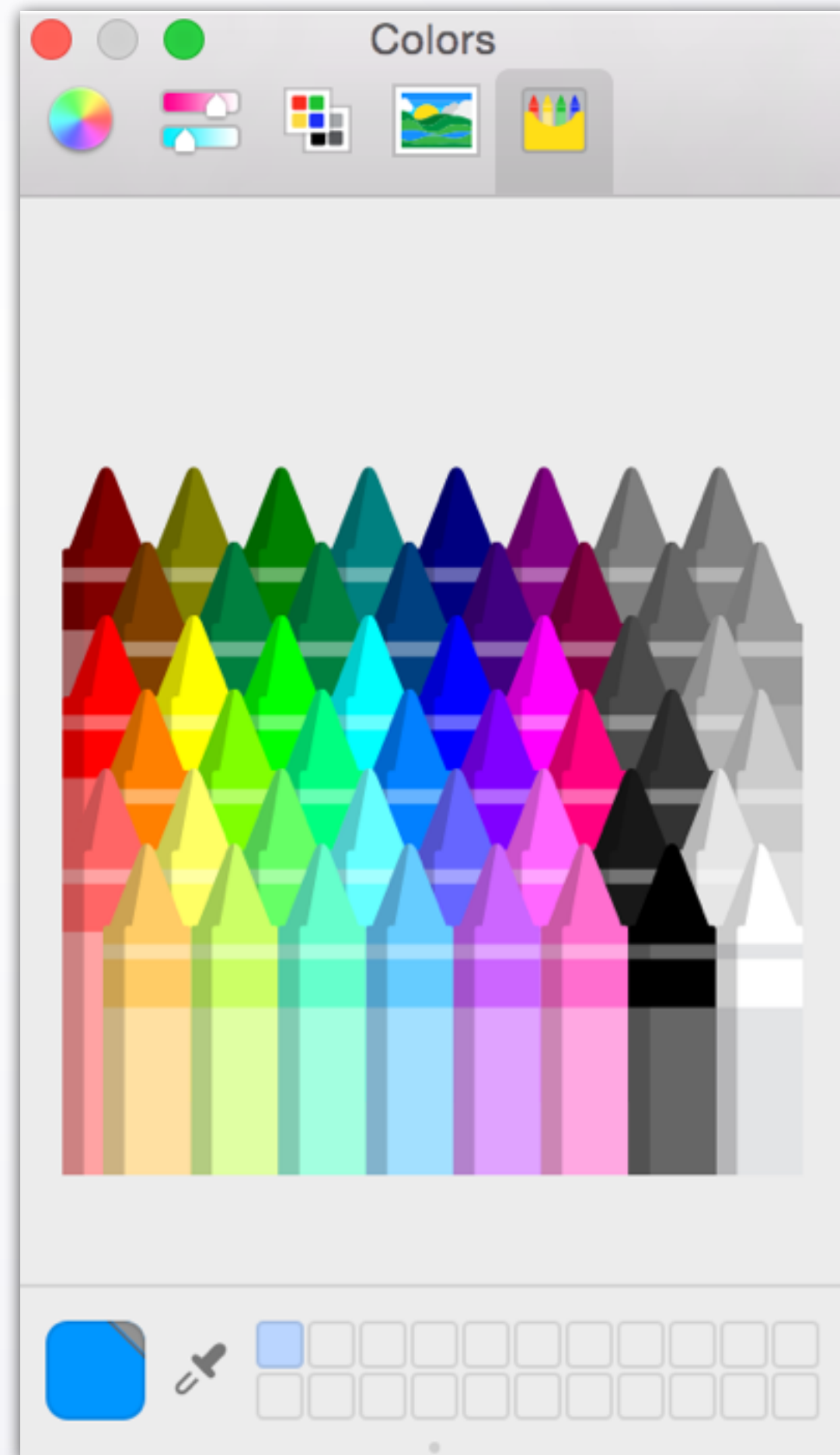
Color picker input type

Color Picker

```
<input type="color" value="#001A57"
id="clr" onchange="docolor()" >
```

Default color value (dark blue)

Color Picker
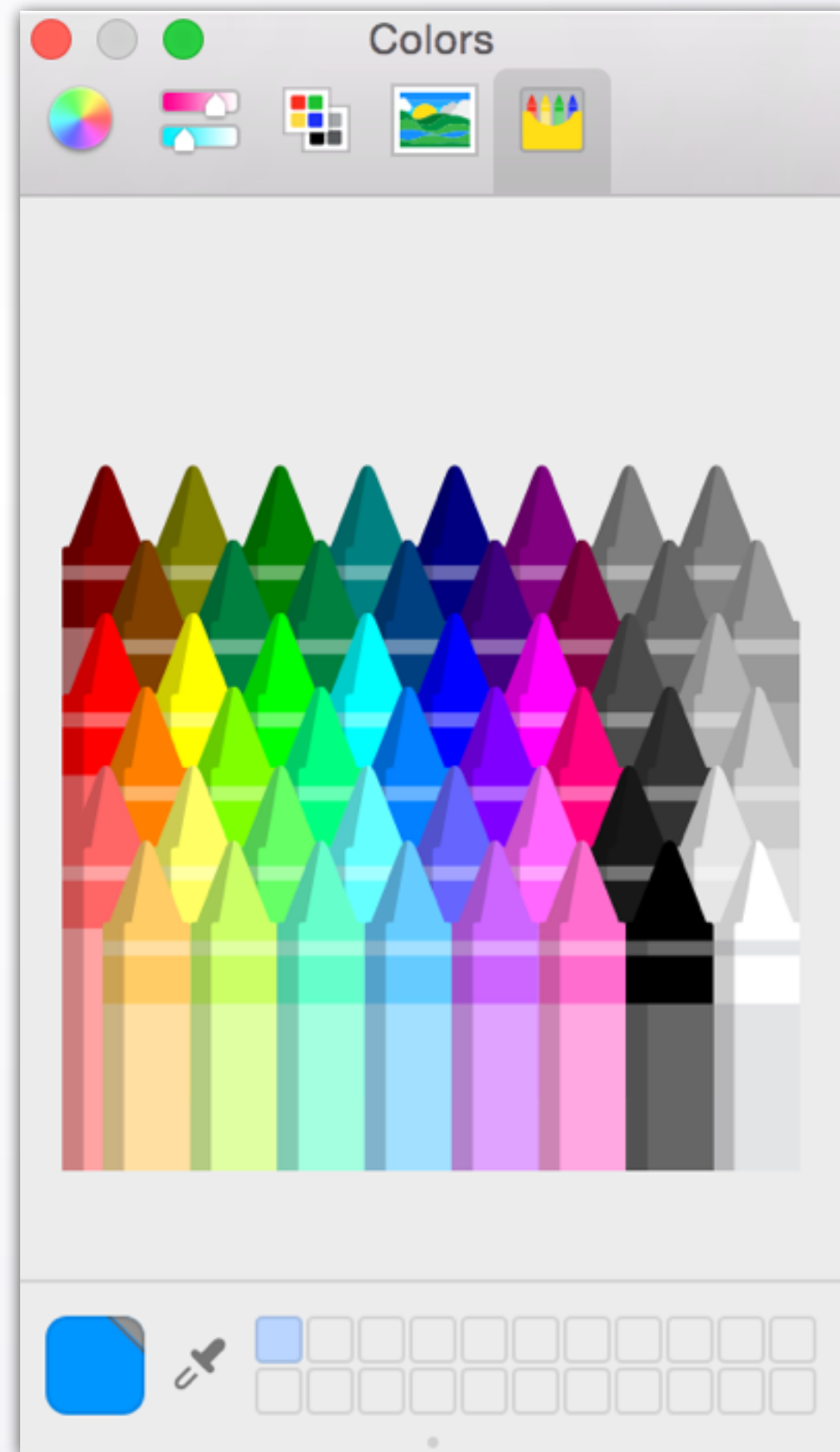
```
<input type="color" value="#001A57"
id="clr" onchange="docolor()" >
```
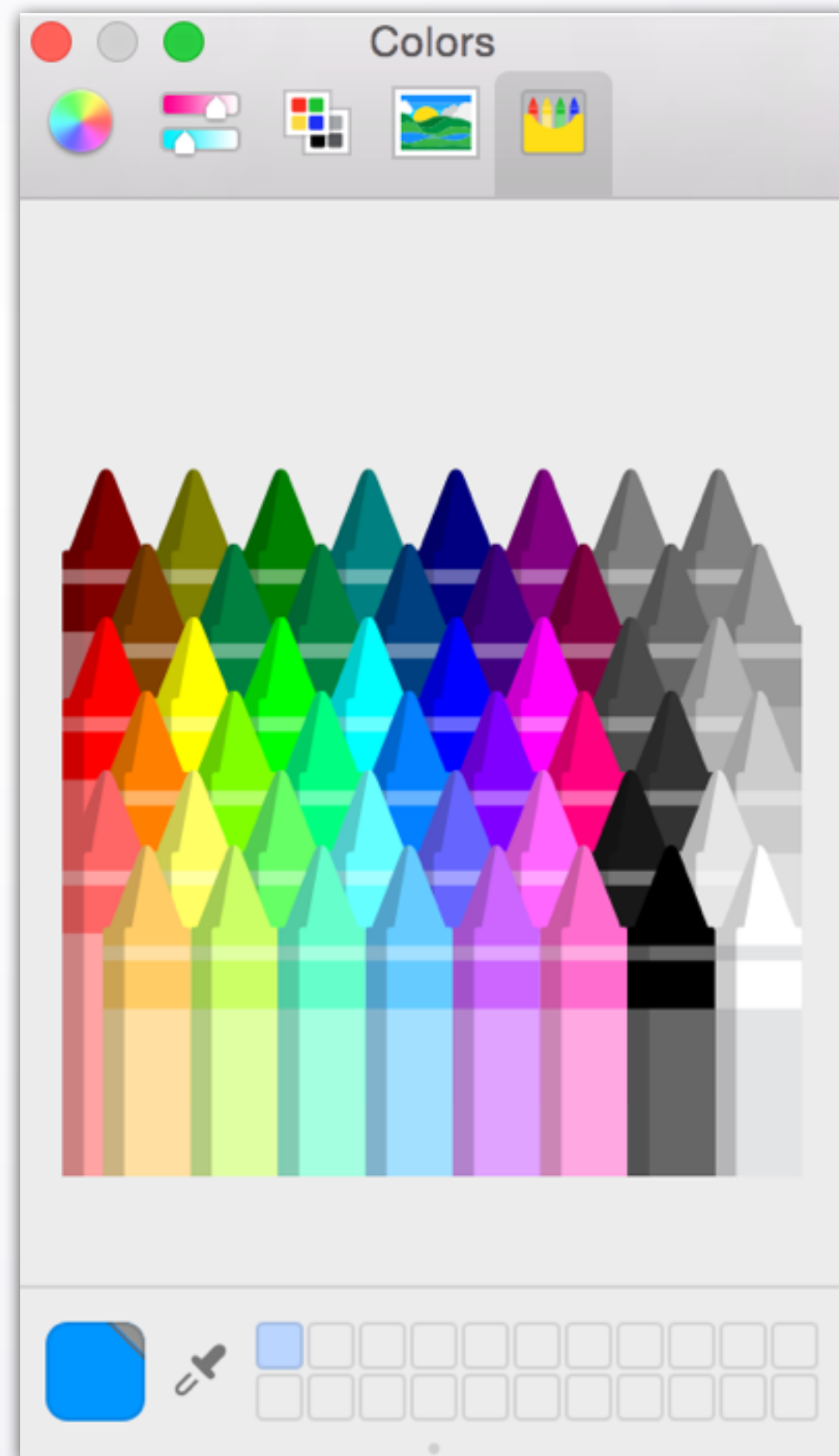
ID to refer to input element

Color Picker

```
<input type="color" value="#001A57"
id="clr" onchange="docolor()" >
```

What to do when the color picker is changed

Color Picker

```
function docolor() {

  var dd1 = document.getElementById("d1");

  var colorinput =

document.getElementById("clr");

  var color = colorinput.value;

  dd1.style.backgroundColor = color;

}
```

Color Picker

```
function docolor() {
  var dd1 = document.getElementById("d1");
  var colorinput =
document.getElementById("clr");
  var color = colorinput.value;
  dd1.style.backgroundColor = color;
}
```

Color Picker

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function docolor() {
    var dd1 = document.getElementById("d1");
    var colorinput =
document.getElementById("clr");
    var color = colorinput.value;
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```

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Color Picker

```
function docolor() {

    var dd1 = document.getElementById("d1");

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}
```

Color Picker

```
function docolor() {
   var dd1 = document.getElementById("d1");
   var colorinput =
document.getElementById("clr");
   var color = colorinput.value;
   dd1.style.backgroundColor = color;
}
```

Color Picker

HTML
```
7  <input type="button"
   value="make lime"
   onclick="dolime()">
8  <input type="color"
   value="#001A57"
   onchange="docolor()"
   id="clr">
9  </p>
```
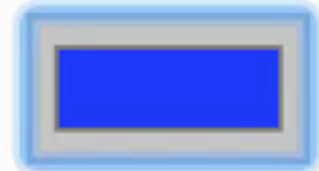
CSS
```
1  canvas {
2    width: 300px;
3    height: auto;
4    border: 1px solid #c3c3c3;
5  }
6
7
8
```

JS
```
6  function docolor() {
7    var dd1 =
   document.getElementById("d1")
   ;
8    var colorinput =
   document.getElementById("clr"
   );
9    var clr = colorinput.value;
```
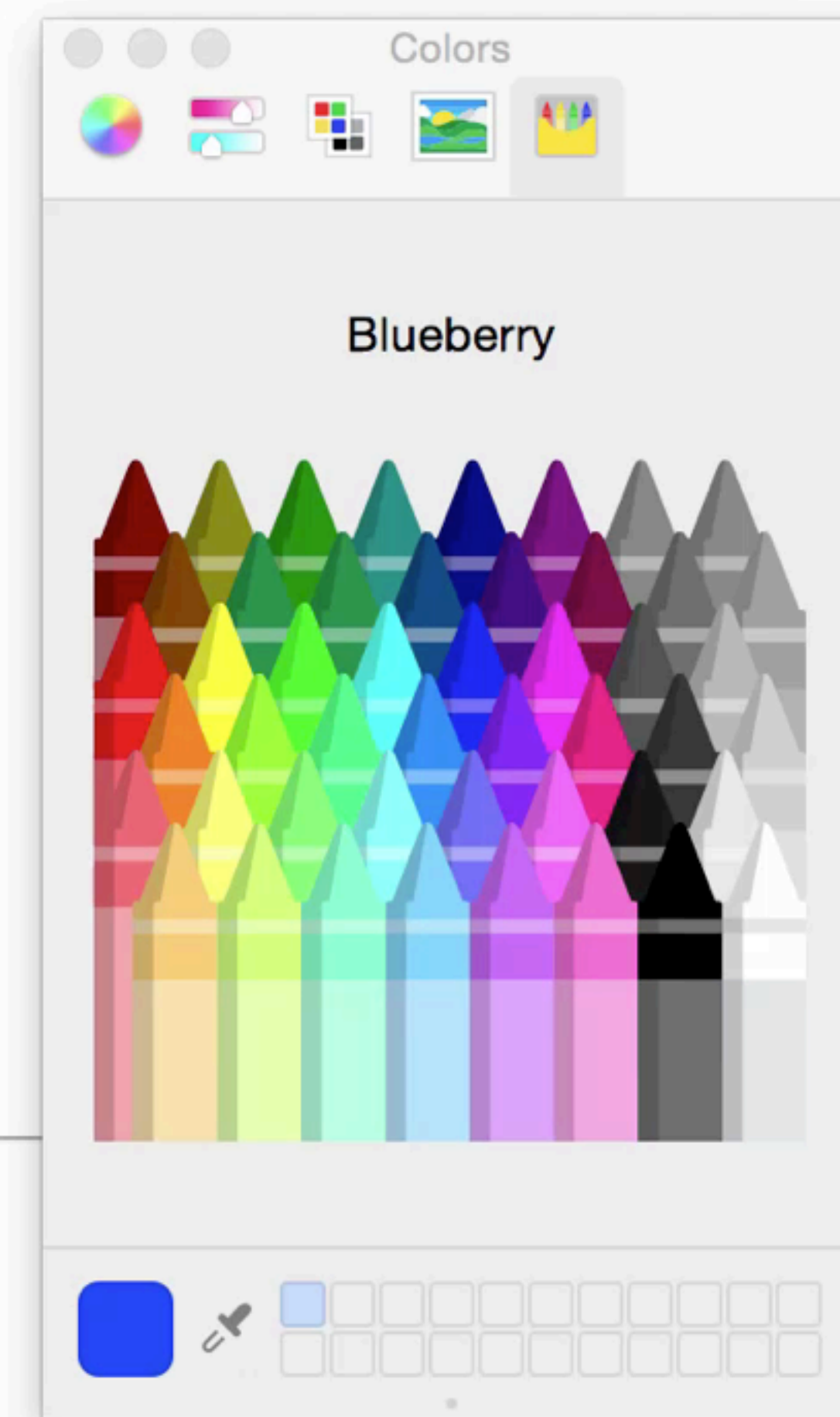
make lime

Slider Input

Slider Input

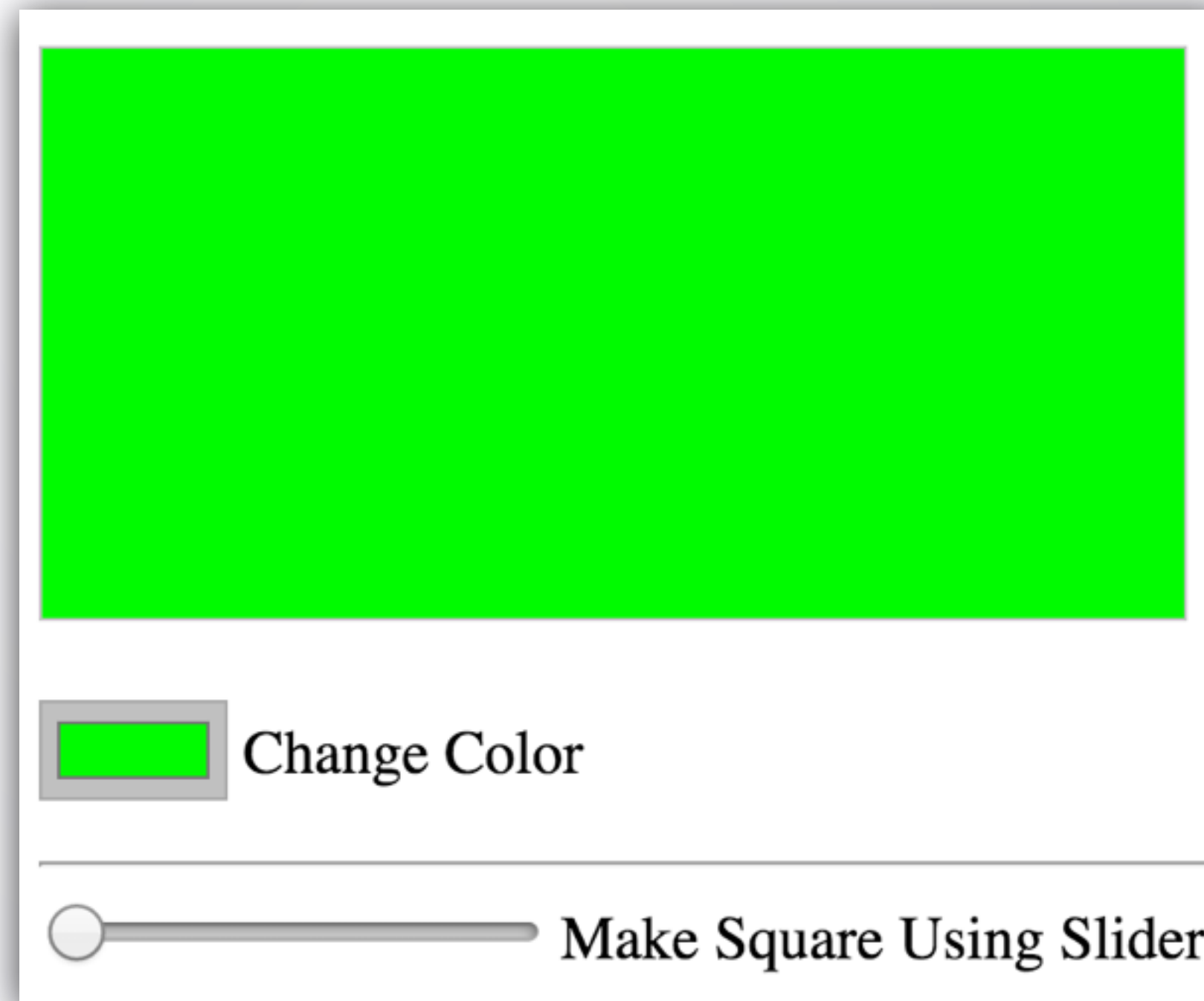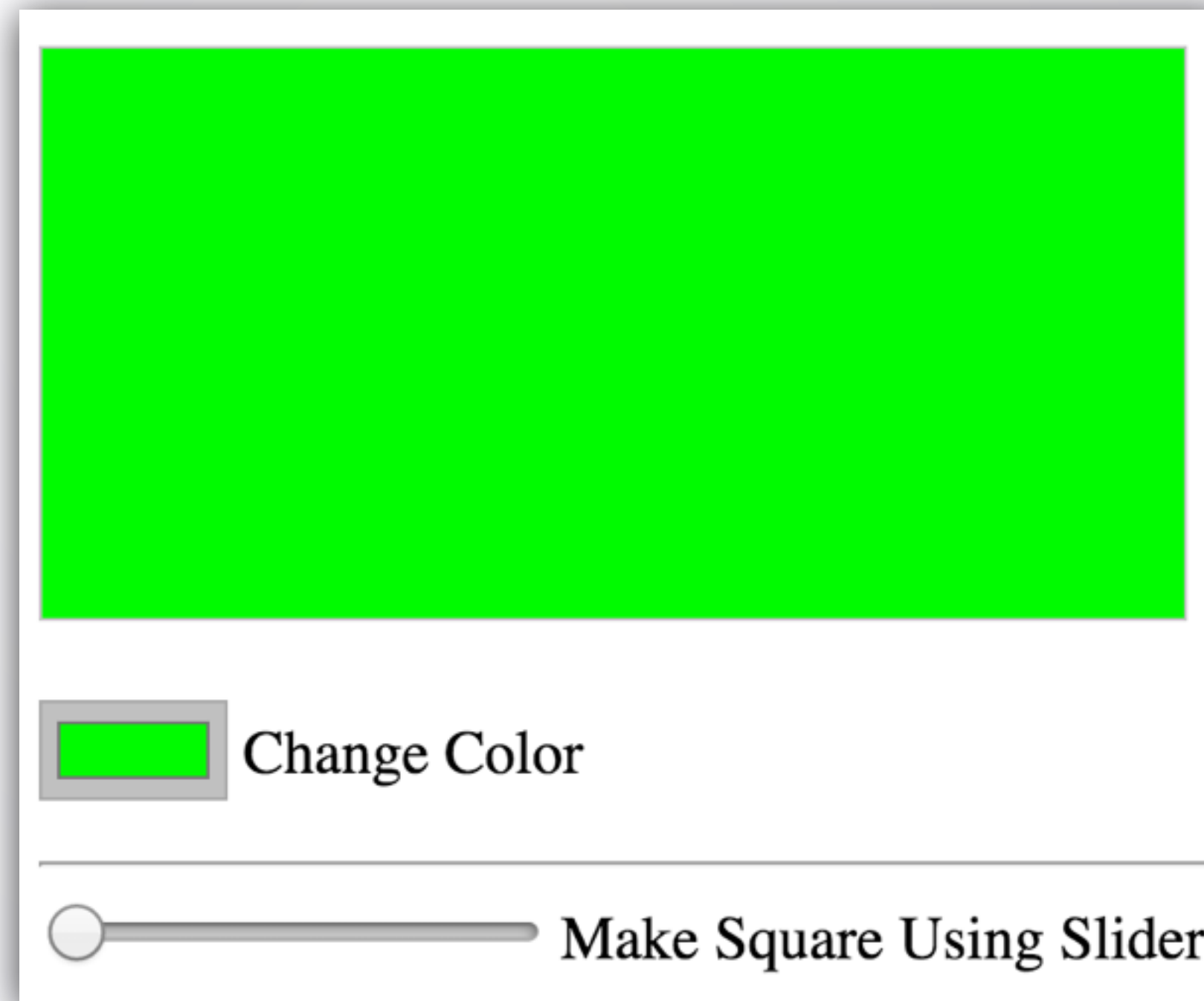```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```

# Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```
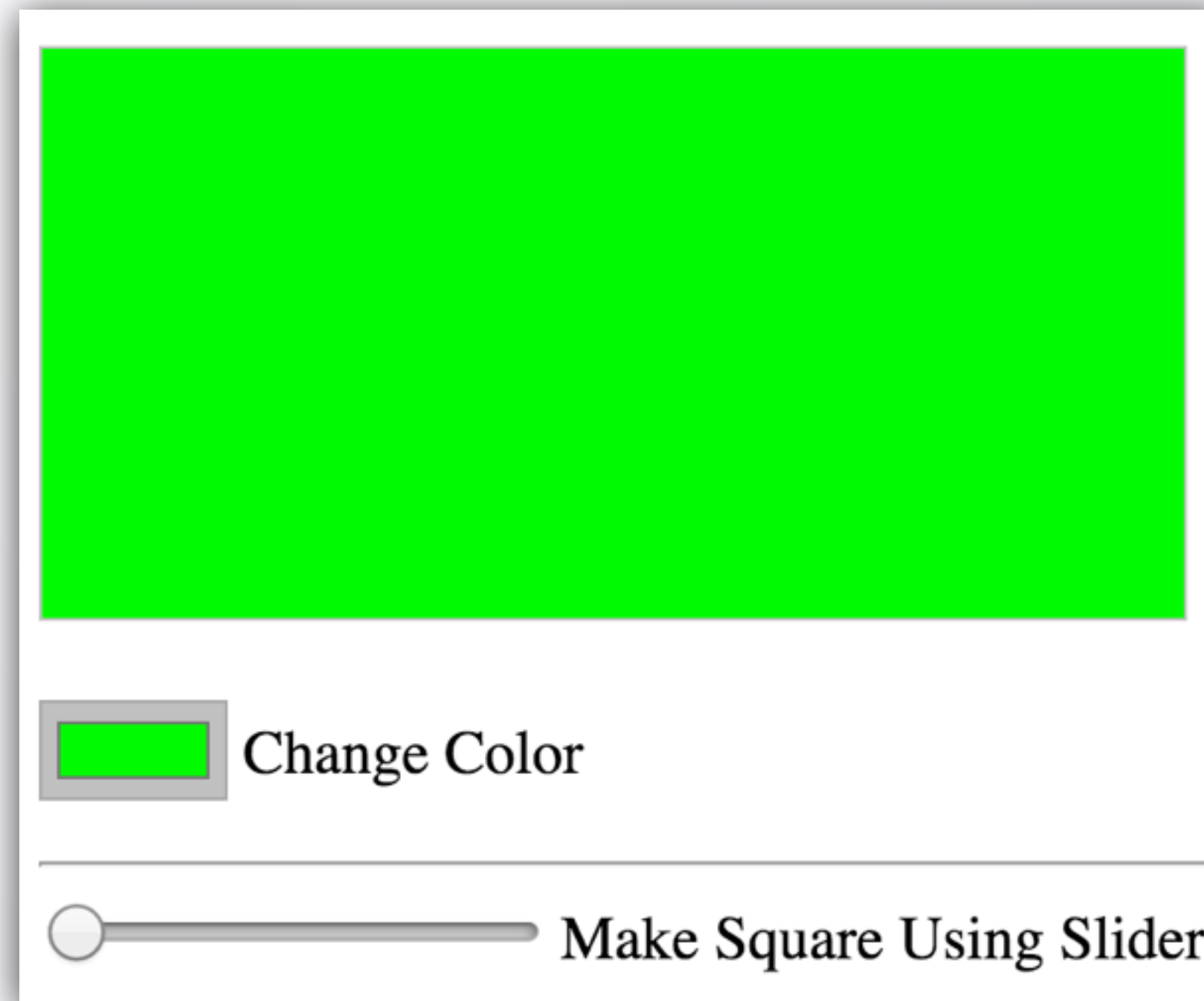
Slider, or range, input type

# Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```
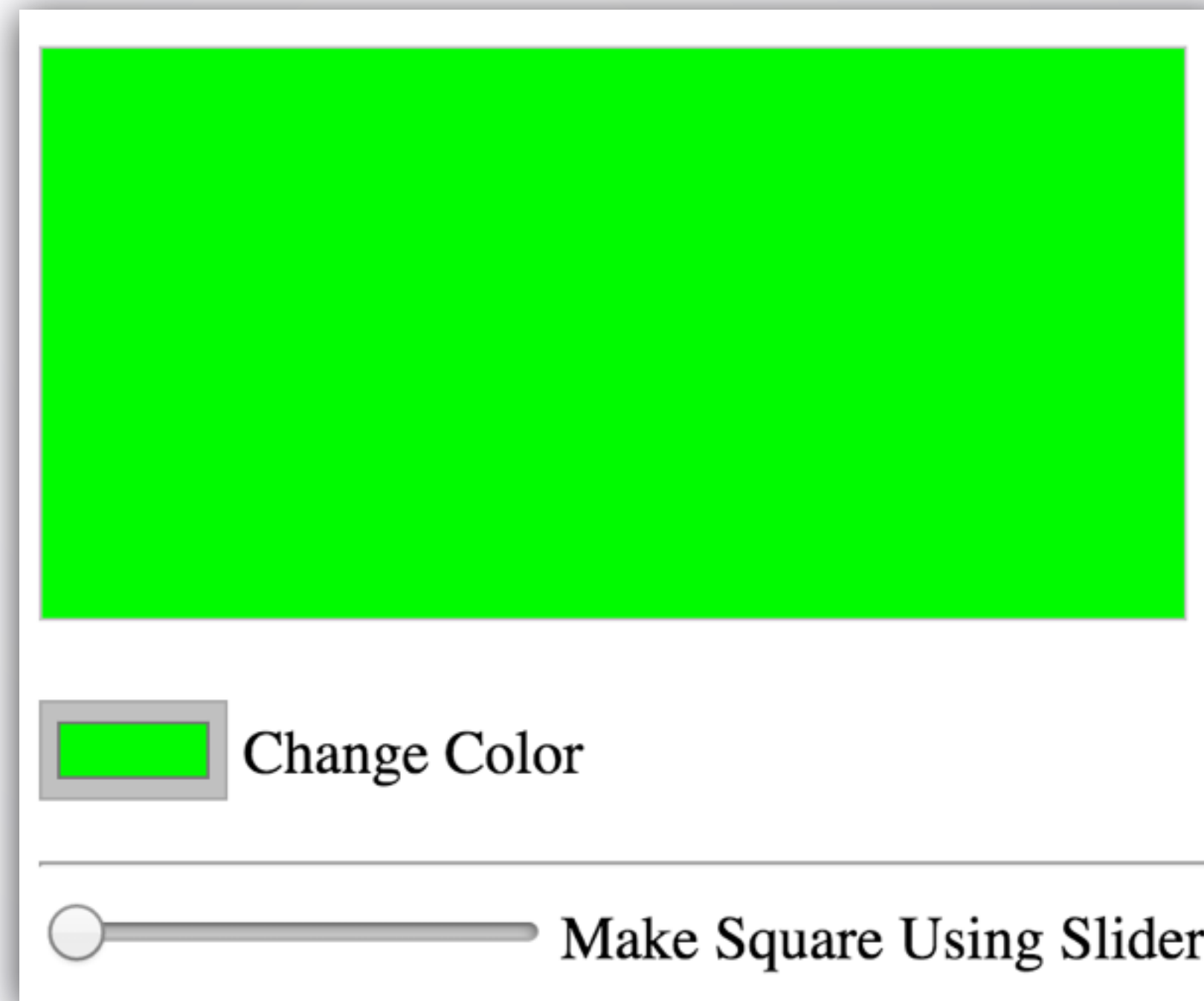
Minimum value

# Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```
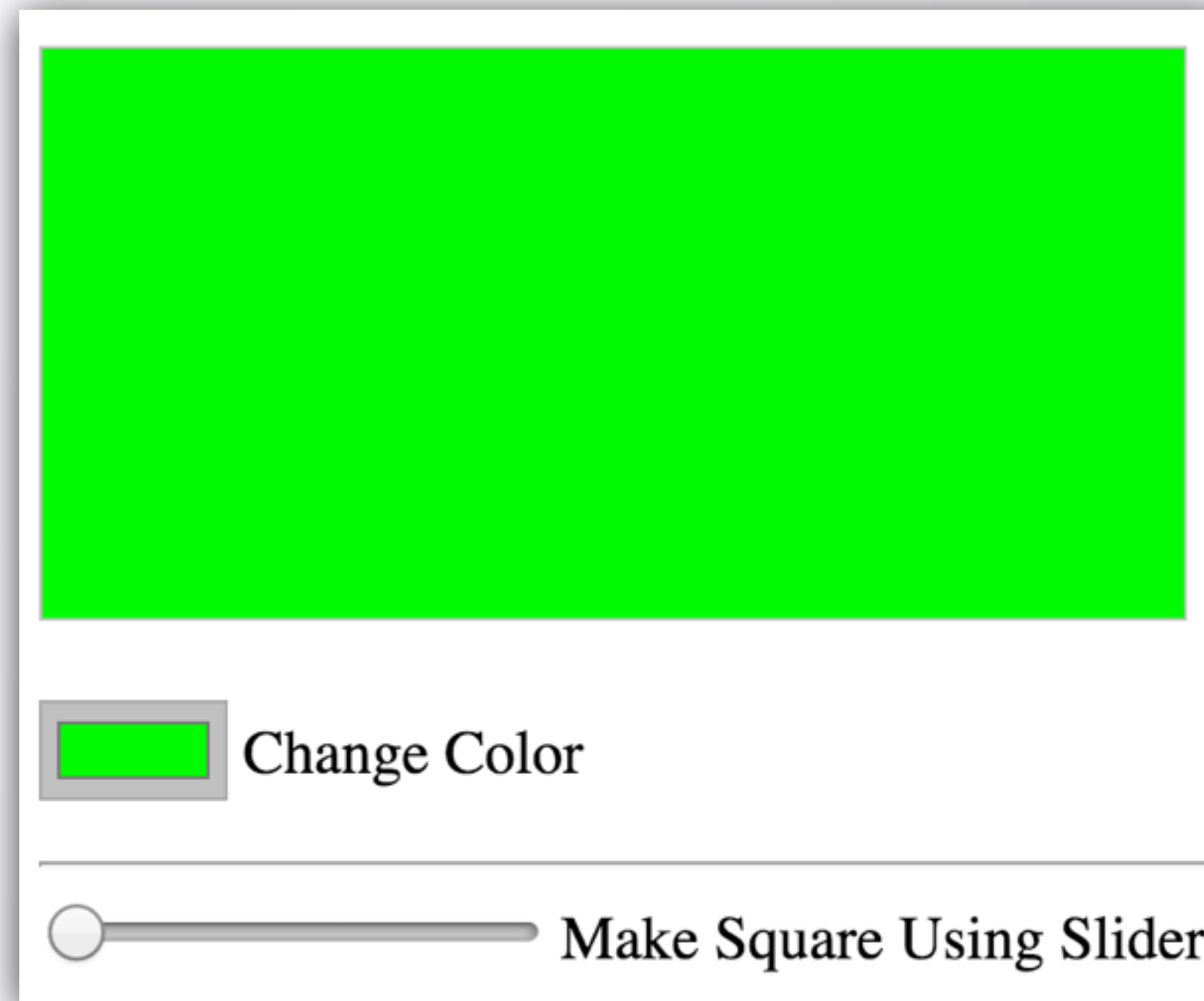
Maximum value

# Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```
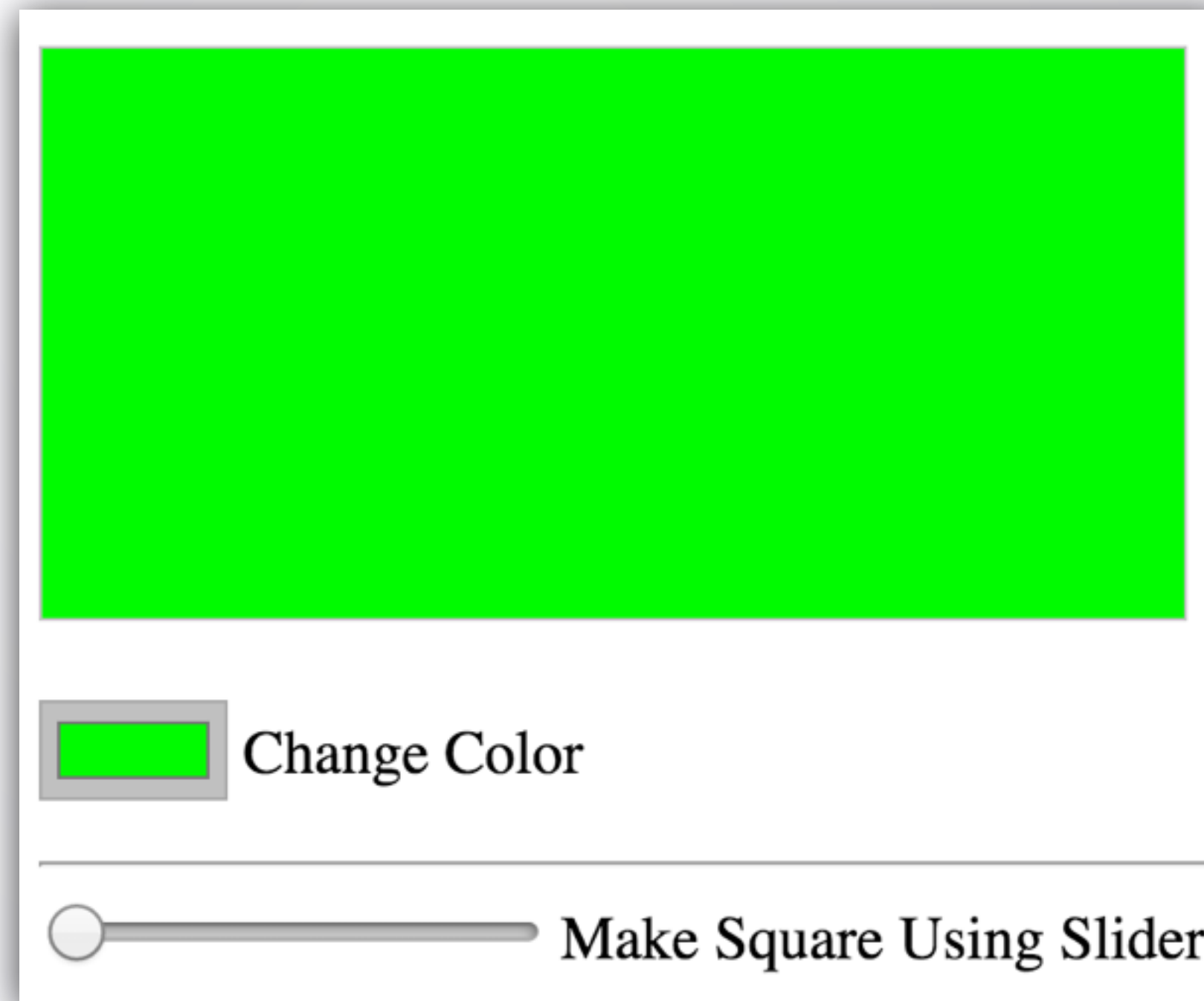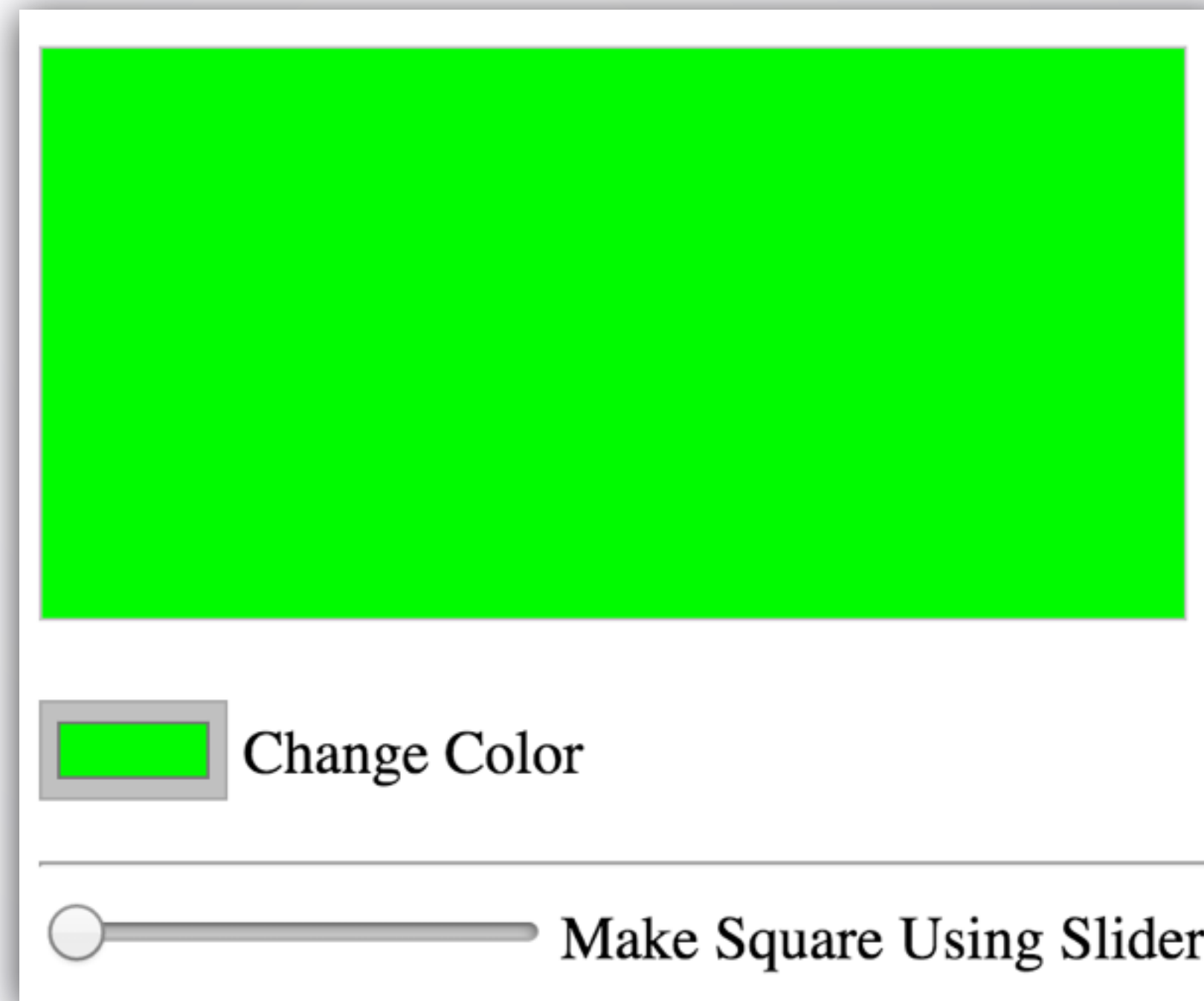
Default value

# Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```


ID to refer to input element

Slider Input

```
<input type="range" min="10" max="100"
value="10" id="sldr" oninput="dosquare()" >
```


What to do when input given

Slider Input

```
function dosquare() {
  var dd1 = document.getElementById("d1");
  var sizeinput =
document.getElementById("sldr");
  var size = sizeinput.value;
  var ctx = dd1.getContext("2d");
  ctx.fillStyle = "yellow";
  ctx.fillRect(10,10,size,size);
}
```

Slider Input

```
function dosquare() {
    var dd1 = document.getElementById("d1");

    var sizeinput =
document.getElementById("sldr");

    var size = sizeinput.value;

    var ctx = dd1.getContext("2d");

    ctx.fillStyle = "yellow";

    ctx.fillRect(10,10,size,size);
}
```

Slider Input

```
function dosquare() {
    var dd1 = document.getElementById("d1");
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document.getElementById("sldr");
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    ctx.fillRect(10,10,size,size);
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Slider Input

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function dosquare() {
  var dd1 = document.getElementById("d1");
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document.getElementById("sldr");
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  ctx.fillStyle = "yellow";
  ctx.fillRect(10,10,size,size);
}
```
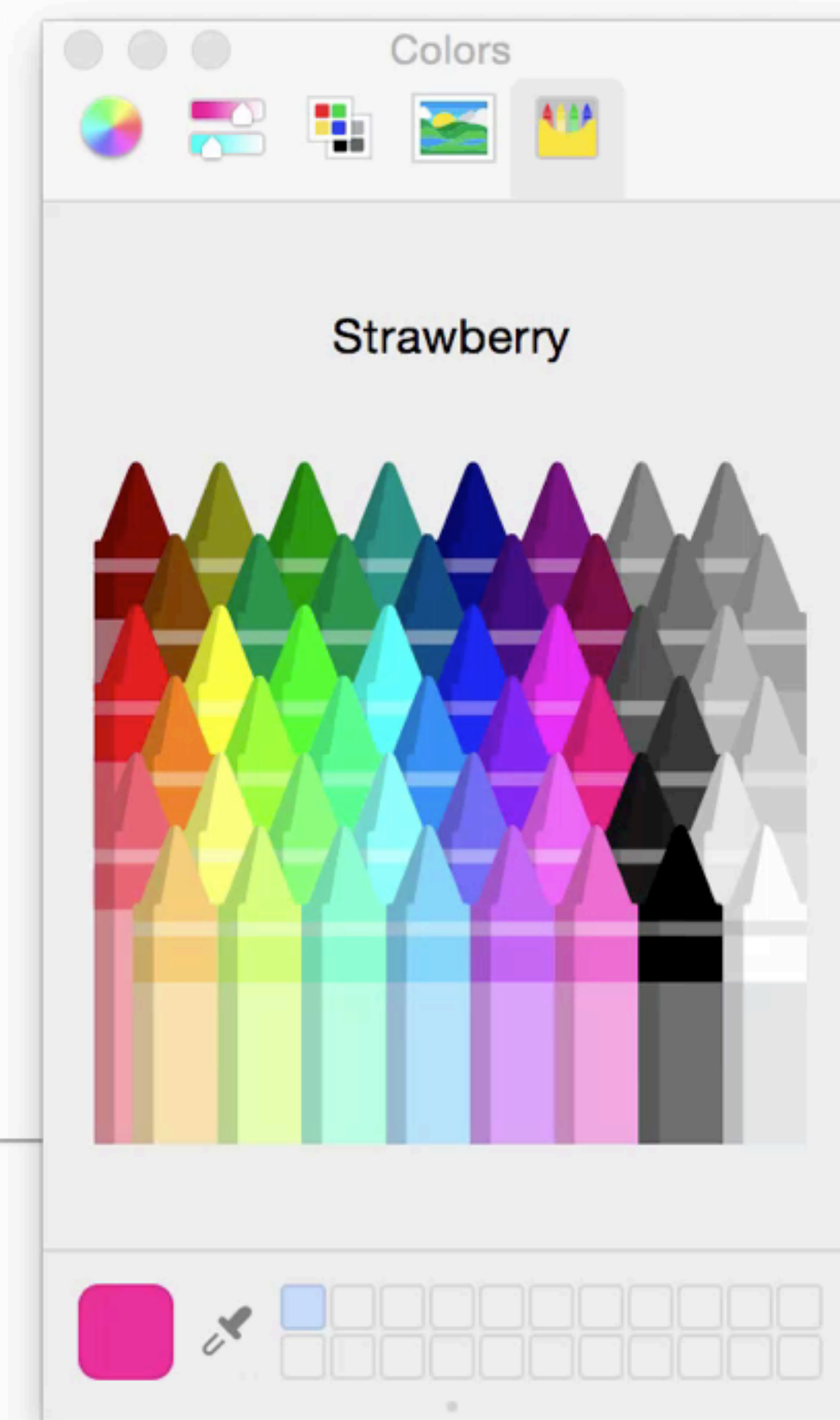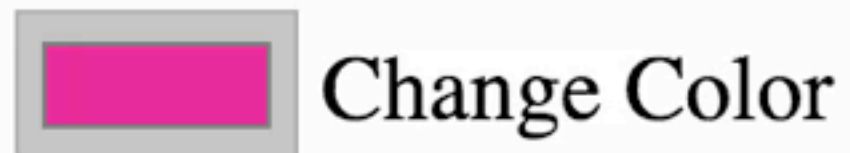
Slider Input

```
function dosquare() {
    var dd1 = document.getElementById("d1");
    var sizeinput =
document.getElementById("sldr");
    var size = sizeinput.value;
    var ctx = dd1.getContext("2d");
    ctx.fillStyle = "yellow";
    ctx.fillRect(10,10,size,size);
}
```
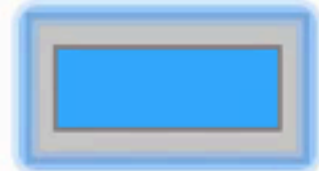
Slider Input

```
function dosquare() {
  var dd1 = document.getElementById("d1");
  var sizeinput =
document.getElementById("sldr");
  var size = sizeinput.value;
  var ctx = dd1.getContext("2d");
  ctx.fillStyle = "yellow";
  ctx.fillRect(10,10,size,size);
}
```

Slider Input

Slider Input

```javascript
function dosquare() {
  var dd1 = document.getElementById("d1");
  var sizeinput =
document.getElementById("sldr");
  var size = sizeinput.value;
  var ctx = dd1.getContext("2d");
  ctx.clearRect(0,0,dd1.width,dd1.height);
  ctx.fillStyle = "yellow";
  ctx.fillRect(10,10,size,size);
}
```

Slider Input