Simple Use Case: YAHOO.widget.ColorPicker
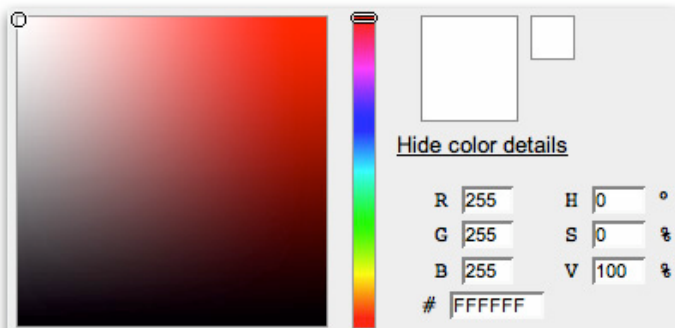
Markup:
```
<div id="picker"></div>
```
Script:
```
var oPicker = new
    YAHOO.widget.ColorPicker("picker", {
        showhsvcontrols: true,
        showhexcontrols: true
    );
```

Creates a Color Picker instance from script; the Color Picker's DOM structure is created in the element whose ID is "picker".

Constructor: YAHOO.widget.ColorPicker

```
YAHOO.widget.ColorPicker(str ID|HTMLElement
    element[, obj config]);
```

Arguments:
(1) **Element:** HTML ID or HTMLElement for container element; this is the location in the DOM where the Color Picker Control will be inserted.
(2) **Configuration Object:** JS object defining configuration properties for the Color Picker instance. See Configuration Options section for full list.

Setting the Color Picker's Value

You can set the Color Picker's current value by script any time after instantiation using `setValue`:

```
oPicker.setValue([255, 255, 255], false);
```

The second argument is a boolean; if true, it suppresses the rgbChange event that would otherwise be fired when the value is changed.

Interesting Moment in Color Picker

This is the full list of Custom Events exposed in the Color Picker API.

Event:	Event Fields:
rgbChange	`newValue` (arr) and `oldValue` (arr), in both cases an array of RGB values; `type` (s), "rgbChange".

All Color Picker events are Custom Events (see Event Utility docs); subscribe to these events using "addListener" or "on": (e.g. `oPicker.on('rgbChange', fn);`).

Key Color Picker Configuration Options

See online docs for complete list of Color Picker configuration options.

Option (type)	Default	Description
showcontrols (b)	true	Hide/show the entire set of controls.
showhexcontrols (b)	true	Hide/show the hex controls.
showhexsummary (b)	true	Hide/show the hexadecimal summary information.
showhsvcontrols (b)	false	Hide/show the HSV controls.
showrgbcontrols (b)	true	Hide/show the RGB controls.
showwebsafe (b)	true	Hide/show the websafe swatch.
images (o)	Default images served by Y! servers	***Object Members:*** PICKER_THUMB: Image representing the draggable thumb for the color region slider. HUE_THUMB: Image representing the draggable thumb for the HSV slider.

Color Picker options can be set in the constructor's second argument (eg, `{showwebsafe: false}`) or at runtime via `set` (eg, `oPicker.set("showwebsafe", false);`).

Solutions

Listen for the `rgbChange` event and make use of the event's fields:

```
var oPicker = new
    YAHOO.widget.ColorPicker("container");
//a listener for logging RGB color changes;
//this will only be visible if logger is enabled:
var onRgbChange = function(o) {
  /*o is an object
      { newValue: (array of R, G, B values),
        prevValue: (array of R, G, B values),
        type: "rgbChange"
      }
  */
  YAHOO.log("The new color value is " + o.newValue,
  "info", "example");
}
//subscribe to the rgbChange event;
oPicker.on("rgbChange", onRgbChange);
```

When a form wrapping a Color Picker instance is submitted, the following form fields are included:

yui-picker-r	RGB red
yui-picker-g	RGB green
yui-picker-b	RGB bluee
yui-picker-h	HSV hue
yui-picker-s	HSV saturation
yui-picker-v	HSV value/ brightness
yui-picker-hex	Hex triplet for current color

Dependencies

Color Picker requires Yahoo, Dom, Event, Element, Drag & Drop, and Slider. For the richest interaction, the optional Animation Utility is highly recommended.