

Converting Colors

`RYB(78, 192, 183)`

Have a look what the booklet for
RYB(78, 192, 183) contains.

RYB(78, 192, 183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(78, 192, 183)

Conversions

Conversions Part 1

Format	Color
Hex	57C04E
RGB	87, 192, 78
RGB Percent	34%, 75%, 31%
CMY	0.6588, 0.2471, 0.6941
CMYK	0.55, 0.00, 0.59, 0.25
HSL	115°, 48%, 53%
HSV	115°, 59%, 75%
XYZ	24.1553, 40.2756, 13.7086
YIQ	147.6090, -25.9860, -57.7140

Conversions

Conversions Part 2

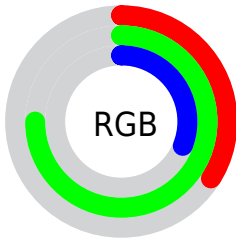
Format	Color
RYB	78, 192, 183
Decimal	5750862
CIELab	69.67, -52.54, 47.46
CIELCh	70, 70.799, 137.908
Yxy	40.2756, 0.3091, 0.5154
Android (android.graphics.Color)	4283940942 (0xFF57C04E)
YUV	147.6090, -34.3172, -53.1541
Hunter-Lab	63.4630, -43.1197, 31.6170

Details

The RYB color **78, 192, 183** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **183, 78, 192**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **131, 249, 235**, and **12, 126, 137** is the 20% darker color. If you saturate the color by 10%, you get **59, 192, 182**, and if you desaturate by 10%, it is **97, 192, 184**.

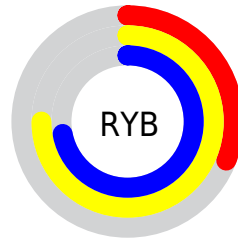
Distribution



Red (34%)

Green (75%)

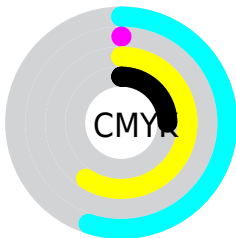
Blue (31%)



Red (31%)

Yellow (75%)

Blue (72%)

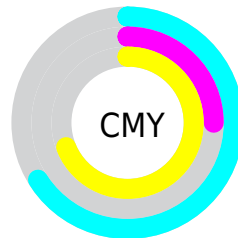


Cyan (55%)

Magenta (0%)

Yellow (59%)

Black (25%)



Cyan (66%)

Magenta (25%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 192, 183 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 78, 192, 183 by changing the saturation by 10% instead.



78, 192, 183



78, 192, 183

255, 255, 255



52, 164, 160



131, 249, 235



12, 126, 137



158, 255, 239



0, 111, 111



185, 255, 237



0, 86, 86



214, 255, 236



0, 61, 61



243, 255, 243



0, 39, 39



0, 0, 0



78, 192, 183




78, 192, 183




59, 192, 182




97, 192, 184

 40, 192, 180

 116, 192, 186


 20, 192, 178

 136, 192, 188


 1, 192, 177

 155, 192, 189


 0, 192, 177

 174, 192, 191

 193, 192, 193

 211, 192, 212

 228, 192, 232

 246, 192, 251

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26, 179, 39



78, 192, 183



0, 116, 199

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78, 192, 183



0, 107, 255



255, 109, 135

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78, 192, 183



183, 78, 192

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 111, 199



78, 192, 183



117, 152, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78, 192, 183



0, 111, 255



221, 136, 255



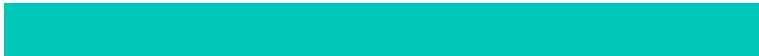
255, 155, 76

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 192, 183



0, 104, 200



221, 136, 255



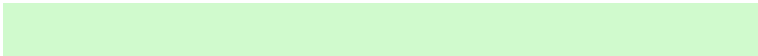
255, 106, 156

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78, 192, 183



205, 250, 247



88, 192, 78



97, 125, 122



252, 252, 252



125, 125, 125

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 192, 183



72, 250, 236



78, 158, 192



87, 97, 96



0, 161, 148



0, 33, 30

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



183, 78, 192



236, 72, 250



192, 78, 144



96, 87, 97



148, 0, 161



31, 0, 33

Previews

White Background



This preview shows how the RYB color 78, 192, 183 looks on a white background.

Color Contrast Check

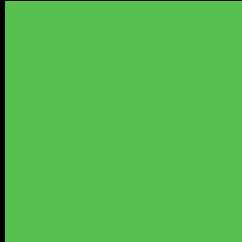
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 78, 192, 183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 78, 192, 183 Background



This preview shows how black text looks on a background with the RYB color 78, 192, 183.

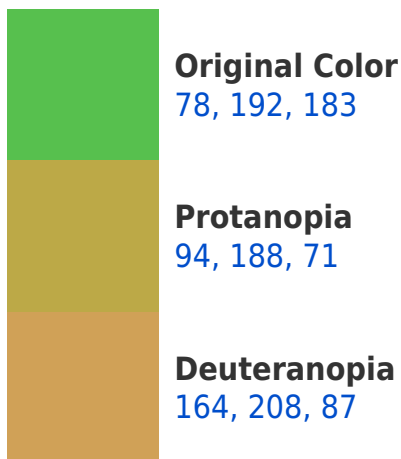


This preview shows how white text looks on a background with the RYB color 78, 192, 183.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
112, 149, 195

Trichromacy



Original Color

78, 192, 183



Protanomaly

74, 177, 100



Deuteranomaly

84, 172, 92



Tritanomaly

103, 153, 184

Monochromacy



Original Color

78, 192, 183



Achromatopsia

148, 148, 148



Achromatomaly

123, 164, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 192, 183 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(87, 192, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 192, 78)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(87, 192, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 192, 78) }
```

Border

The CSS property to change the border of an element to RYB 78, 192, 183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 192, 78) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(87, 192, 78) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(87, 192, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 192, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 192, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 192,  
78) }
```

Background

The CSS property to change the background color of an element to RYB 78, 192, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 192, 78) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(87, 192,  
78) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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