

Converting Colors

`RYB(68, 195, 178)`

Have a look what the booklet for
RYB(68, 195, 178) contains.

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Color

`RYB(68, 195, 178)`

Conversions

Conversions Part 1

Format	Color
Hex	55C344
RGB	85, 195, 68
RGB Percent	33%, 76%, 27%
CMY	0.6667, 0.2353, 0.7333
CMYK	0.56, 0.00, 0.65, 0.24
HSL	112°, 51%, 52%
HSV	112°, 65%, 76%
XYZ	24.3048, 41.3789, 12.1748
YIQ	147.6320, -24.7930, -62.8170

Conversions

Conversions Part 2

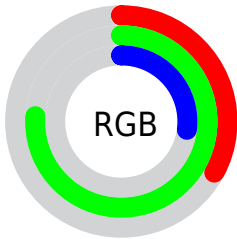
Format	Color
RYB	68, 195, 178
Decimal	5620548
CIELab	70.44, -55.23, 52.68
CIELCh	70, 76.325, 136.351
Yxy	41.3789, 0.3122, 0.5315
Android (android.graphics.Color)	4283810628 (0xFF55C344)
YUV	147.6320, -39.2586, -54.9283
Hunter-Lab	64.3264, -45.1276, 33.8069

Details

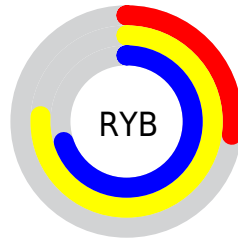
The RYB color **68, 195, 178** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **178, 68, 195**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **121, 252, 229**, and **0, 137, 140** is the 20% darker color. If you saturate the color by 10%, you get **49, 195, 176**, and if you desaturate by 10%, it is **88, 195, 181**.

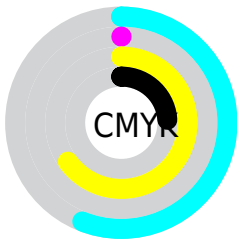
Distribution



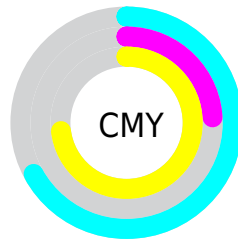
- Red (33%)
- Green (76%)
- Blue (27%)



- Red (27%)
- Yellow (76%)
- Blue (70%)



- Cyan (56%)
- Magenta (0%)
- Yellow (65%)
- Black (24%)




- Cyan (67%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 195, 178 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 68, 195, 178 by changing the saturation by 10% instead.

 68, 195, 178

255, 255, 255


 121, 252, 229


 149, 255, 230

 176, 255, 228


 205, 255, 227

 233, 255, 233

 68, 195, 178

 40, 167, 155

 0, 137, 140

 0, 114, 114


 0, 88, 88


 0, 63, 63

 0, 41, 41

 0, 3, 3

 0, 0, 0

 68, 195, 178

 68, 195, 178

■ 49, 195, 176

■ 88, 195, 181

■ 29, 195, 173

■ 107, 195, 183

■ 10, 195, 171

■ 127, 195, 186

■ 0, 195, 169

■ 146, 195, 188

■ 166, 195, 192

■ 185, 195, 194

■ 203, 195, 205

■ 220, 195, 224

■ 237, 195, 243

Harmonies

Analogous

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



0, 181, 11



68, 195, 178



0, 120, 202

Triad

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



68, 195, 178



0, 109, 255



255, 103, 137

Complementary

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



68, 195, 178



178, 68, 195

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, 107, 207



68, 195, 178



100, 147, 255

Square

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



68, 195, 178



0, 112, 255



223, 136, 255



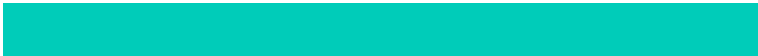
255, 152, 73

Rectangle

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



68, 195, 178



0, 107, 204



223, 136, 255



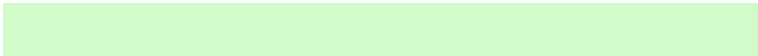
255, 100, 160

Sweetspot

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



68, 195, 178



202, 252, 245



90, 195, 68



97, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



68, 195, 178



56, 252, 226



68, 162, 195



87, 97, 95



0, 161, 139



0, 33, 29

Inverse Universe

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



178, 68, 195



226, 56, 252



195, 68, 151



96, 87, 97



139, 0, 161



29, 0, 33

Previews

White Background



This preview shows how the RYB color 68, 195, 178 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 68, 195, 178 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 68, 195, 178 Background



This preview shows how black text looks on a background with the RYB color 68, 195, 178.

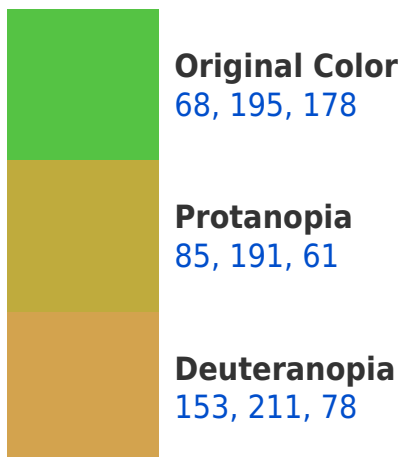


This preview shows how white text looks on a background with the RYB color 68, 195, 178.

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, 150, 197

Trichromacy



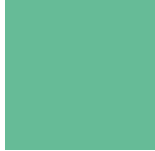
Original Color
68, 195, 178



Protanomaly
64, 180, 92



Deuteranomaly
74, 175, 84



Tritanomaly
102, 156, 187

Monochromacy



Original Color
68, 195, 178



Achromatopsia
148, 148, 148



Achromatomaly
119, 165, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 195, 178 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(85, 195, 68)` looks like.

```
.text, #text, p{  
    color:rgb(85, 195, 68)  
}
```

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(85, 195, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 195, 68) }
```

Border

The CSS property to change the border of an element to RYB 68, 195, 178 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(85, 195, 68) }
```

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

```
.border{ border-color:rgb(85, 195, 68) }
```

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

Here you see how a box with a 4 pixel rgb(85, 195, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 195, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 195, 68);  
box-shadow:4px 4px 4px 4px rgb(85, 195,  
68) }
```

Background

The CSS property to change the background color of an element to RGB 68, 195, 178 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 195, 178) }
```

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

```
.background{ background-color: rgb(68, 195,  
68) }
```

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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