

Converting Colors

`RYB(83, 152, 205)`

Have a look what the booklet for
RYB(83, 152, 205) contains.

RYB(83, 152, 205)	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

RYB(83, 152, 205)

Conversions

Conversions Part 1

Format	Color
Hex	53CDB1
RGB	83, 205, 177
RGB Percent	33%, 80%, 69%
CMY	0.6745, 0.1961, 0.3070
CMYK	0.60, 0.00, 0.14, 0.20
HSL	166°, 55%, 56%
HSV	166°, 60%, 80%
XYZ	33.3055, 48.6644, 49.0814
YIQ	165.3300, -63.7240, -34.5720

Conversions

Conversions Part 2

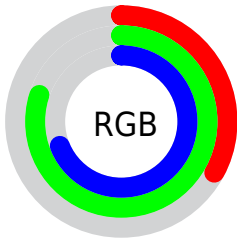
Format	Color
RYB	83, 152, 205
Decimal	5492145
CIELab	75.24, -40.78, 3.96
CIELCh	75, 40.974, 174.448
Yxy	48.6644, 0.2541, 0.3713
Android (android.graphics.Color)	4283682225 (0xFF53CDB1)
YUV	165.3300, 5.7533, -72.2034
Hunter-Lab	69.7599, -36.8583, 7.1168

Details

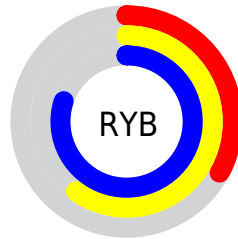
The RYB color **83, 152, 205** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **205, 83, 111**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **143, 205, 255**, and **0, 82, 150** is the 20% darker color. If you saturate the color by 10%, you get **63, 143, 205**, and if you desaturate by 10%, it is **104, 161, 205**.

Distribution



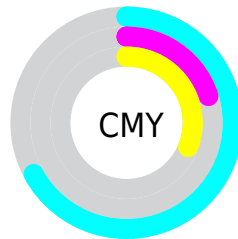
- Red (33%)
- Green (80%)
- Blue (69%)



- Red (33%)
- Yellow (60%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)




- Cyan (67%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 152, 205 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 83, 152, 205 by changing the saturation by 10% instead.

 83, 152, 205


255, 255, 255


 143, 205, 255

 173, 214, 255

 202, 229, 255

 232, 244, 255

 83, 152, 205

 49, 121, 177

 0, 82, 150

 0, 69, 124


 0, 55, 98


 0, 42, 73

 0, 30, 50

 0, 21, 27

 0, 0, 0

 83, 152, 205

 83, 152, 205

■ 63, 143, 205

■ 104, 161, 205

■ 42, 134, 205

■ 124, 170, 205

■ 22, 126, 205

■ 145, 179, 205

■ 1, 116, 205

■ 165, 188, 205

■ 0, 116, 205

■ 186, 197, 205

■ 206, 205, 205

■ 227, 205, 210

■ 247, 205, 215

■ 255, 205, 219

Harmonies

Analogous

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



134, 195, 201



83, 152, 205



14, 112, 215

Triad

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



83, 152, 205



179, 178, 254



245, 190, 125

Complementary

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



83, 152, 205



205, 83, 111

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, 158, 156



83, 152, 205



226, 165, 230

Square

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



83, 152, 205



117, 165, 255



253, 156, 194



162, 216, 110

Rectangle

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



83, 152, 205



13, 116, 237



253, 156, 194



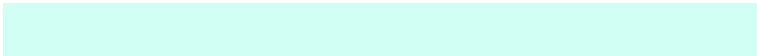
251, 174, 134

Sweetspot

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



83, 152, 205



209, 235, 255



83, 205, 177



99, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 152, 205



74, 176, 255



83, 134, 205



92, 98, 102



0, 94, 166



0, 22, 38

Inverse Universe

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



205, 83, 111



255, 74, 116



205, 128, 83



102, 92, 94



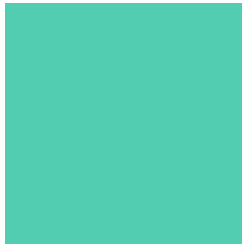
166, 0, 38



38, 0, 9

Previews

White Background



This preview shows how the RYB color 83, 152, 205 looks on a white background.

Color Contrast Check

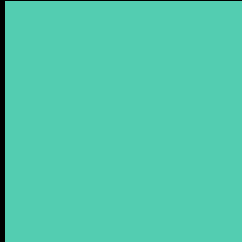
Large Text (above 18pt) WCAG AA × Fail

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 83, 152, 205 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

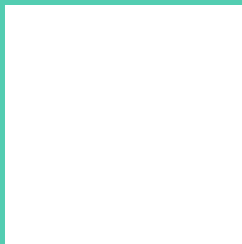
Any Text WCAG AAA ✓ Pass

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

RGB 83, 152, 205 Background



This preview shows how black text looks on a background with the RGB color 83, 152, 205.

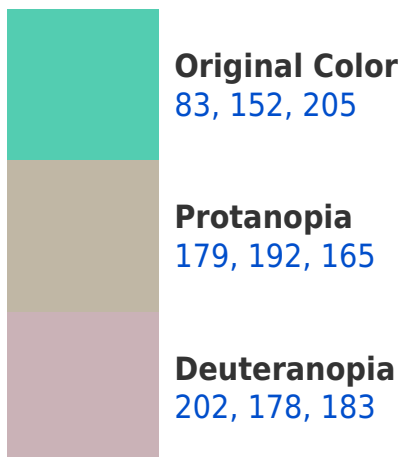


This preview shows how white text looks on a background with the RGB color 83, 152, 205.

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



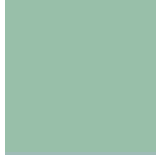


Tritanopia
97, 152, 216

Trichromacy



Original Color
83, 152, 205



Protanomaly
152, 179, 191



Deuteranomaly
159, 175, 188

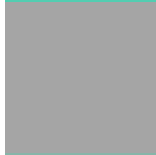


Tritanomaly
92, 147, 202

Monochromacy



Original Color
83, 152, 205



Achromatopsia
165, 165, 165



Achromatomaly
135, 161, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 152, 205 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(83, 205, 177)` looks like.

```
.text, #text, p{  
    color:rgb(83, 205, 177)  
}
```

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(83, 205, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 205, 177) }
```

Border

The CSS property to change the border of an element to RYB 83, 152, 205 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(83, 205, 177) }
```

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

```
.border{ border-color:rgb(83, 205, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 205, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 205, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 205, 177);  
box-shadow:4px 4px 4px 4px rgb(83, 205,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 83, 152, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(83, 205, 177) }
```

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

```
.background{ background-color: rgb(83, 205,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor