

Converting Colors

`RYB(84, 155, 198)`

Have a look what the booklet for
RYB(84, 155, 198) contains.

RYB(84, 155, 198)	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

$\text{RYB}(84, 155, 198)$

Conversions

Conversions Part 1

Format	Color
Hex	54C699
RGB	84, 198, 153
RGB Percent	33%, 78%, 60%
CMY	0.6706, 0.2235, 0.3998
CMYK	0.58, 0.00, 0.23, 0.22
HSL	156°, 50%, 55%
HSV	156°, 58%, 78%
XYZ	29.6035, 44.5743, 37.1987
YIQ	158.7840, -53.4990, -38.1630

Conversions

Conversions Part 2

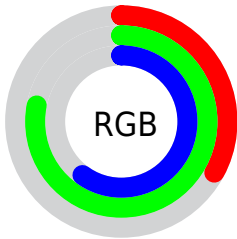
Format	Color
RYB	84, 155, 198
Decimal	5555865
CIELab	72.61, -43.02, 12.96
CIElCh	73, 44.927, 163.231
Yxy	44.5743, 0.2658, 0.4002
Android (android.graphics.Color)	4283745945 (0xFF54C699)
YUV	158.7840, -2.8515, -65.5856
Hunter-Lab	66.7640, -37.6891, 13.7003

Details

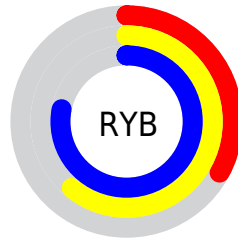
The RYB color **84, 155, 198** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **198, 84, 129**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **142, 214, 255**, and **1, 84, 143** is the 20% darker color. If you saturate the color by 10%, you get **64, 148, 198**, and if you desaturate by 10%, it is **104, 163, 198**.

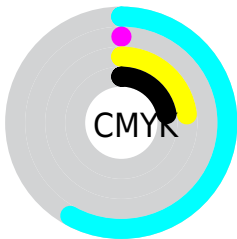
Distribution



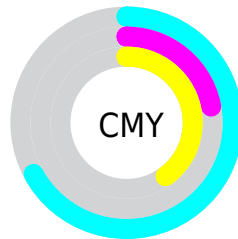
- Red (33%)
- Green (78%)
- Blue (60%)



- Red (33%)
- Yellow (61%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (67%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 155, 198 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 84, 155, 198 by changing the saturation by 10% instead.



84, 155, 198



84, 155, 198

255, 255, 255



52, 124, 170



142, 214, 255



1, 84, 143



171, 218, 255



0, 70, 117



201, 228, 255



0, 58, 92



230, 243, 255



0, 45, 67



0, 36, 45



0, 17, 17



0, 0, 0



84, 155, 198



84, 155, 198

■ 64, 148, 198

■ 104, 163, 198

■ 44, 140, 198

■ 124, 170, 198

■ 25, 133, 198

■ 143, 177, 198

■ 5, 125, 198

■ 163, 185, 198

■ 0, 123, 198

■ 183, 192, 198

■ 203, 198, 200

■ 223, 198, 208

■ 242, 198, 216

■ 255, 198, 223

Harmonies

Analogous

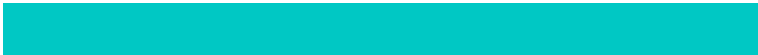
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



117, 192, 168



84, 155, 198



0, 101, 200

Triad

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



84, 155, 198



146, 170, 255



249, 163, 124

Complementary

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



84, 155, 198



198, 84, 129

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, 145, 161



84, 155, 198



205, 161, 238

Square

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



84, 155, 198



59, 137, 255



243, 148, 203



200, 224, 99

Rectangle

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



84, 155, 198



0, 105, 222



243, 148, 203



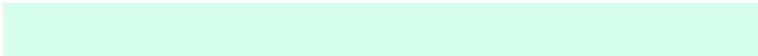
254, 152, 135

Sweetspot

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



84, 155, 198



212, 239, 255



84, 198, 152



102, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 155, 198



79, 188, 255



84, 138, 198



90, 95, 99



0, 101, 163



0, 22, 36

Inverse Universe

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



198, 84, 129



255, 79, 148



198, 96, 84



99, 90, 93



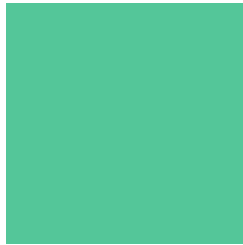
163, 0, 64



36, 0, 14

Previews

White Background



This preview shows how the RYB color 84, 155, 198 looks on a white background.

Color Contrast Check

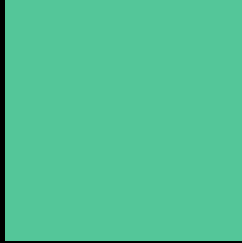
Large Text (above 18pt) WCAG AA × Fail

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 84, 155, 198 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](#).

R Y B 84, 155, 198 Background



This preview shows how black text looks on a background with the R Y B color 84, 155, 198.

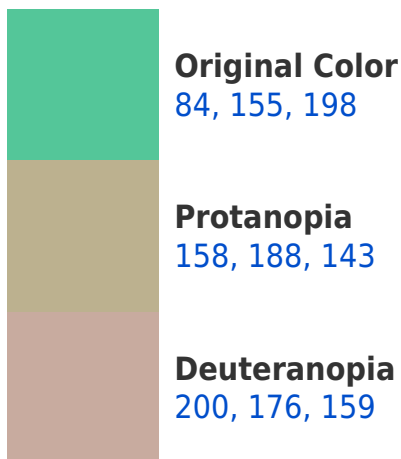


This preview shows how white text looks on a background with the R Y B color 84, 155, 198.

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
101, 149, 206

Trichromacy



Original Color

84, 155, 198



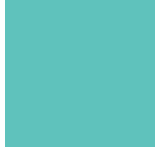
Protanomaly

147, 185, 182



Deuteranomaly

157, 181, 180



Tritanomaly

95, 146, 194

Monochromacy



Original Color

84, 155, 198



Achromatopsia

159, 159, 159



Achromatomaly

132, 157, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 155, 198 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(84, 198, 153)` looks like.

```
.text, #text, p{  
    color:rgb(84, 198, 153)  
}
```

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(84, 198, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 198, 153) }
```

Border

The CSS property to change the border of an element to RYB 84, 155, 198 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(84, 198, 153) }
```

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

```
.border{ border-color:rgb(84, 198, 153) }
```

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

Here you see how a box with a 4 pixel rgb(84, 198, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 198, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 198, 153);  
box-shadow:4px 4px 4px 4px rgb(84, 198,  
153) }
```

Background

The CSS property to change the background color of an element to RGB 84, 198, 153 is called "background".

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

```
.background, #background, body{  
background: rgb(84, 198, 153) }
```

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

```
.background{ background-color: rgb(84, 198,  
153) }
```

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