

Converting Colors

`RYB(84, 171, 199)`

Have a look what the booklet for
RYB(84, 171, 199) contains.

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Color

R_YB(84, 171, 199)

Conversions

Conversions Part 1

Format	Color
Hex	54C779
RGB	84, 199, 121
RGB Percent	33%, 78%, 47%
CMY	0.6706, 0.2196, 0.5254
CMYK	0.58, 0.00, 0.39, 0.22
HSL	139°, 51%, 55%
HSV	139°, 58%, 78%
XYZ	27.5315, 44.1124, 25.1563
YIQ	155.7230, -43.5020, -48.6380

Conversions

Conversions Part 2

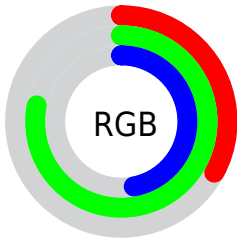
Format	Color
RYB	84, 171, 199
Decimal	5556089
CIELab	72.30, -49.79, 29.52
CIELCh	72, 57.888, 149.334
Yxy	44.1124, 0.2844, 0.4557
Android (android.graphics.Color)	4283746169 (0xFF54C779)
YUV	155.7230, -17.1184, -62.9011
Hunter-Lab	66.4172, -42.2376, 24.0352

Details

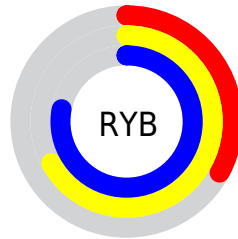
The RYB color **84, 171, 199** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **199, 84, 162**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **142, 230, 255**, and **1, 97, 144** is the 20% darker color. If you saturate the color by 10%, you get **64, 166, 199**, and if you desaturate by 10%, it is **104, 176, 199**.

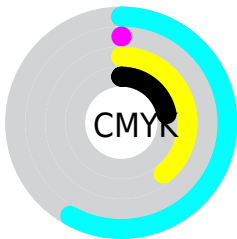
Distribution



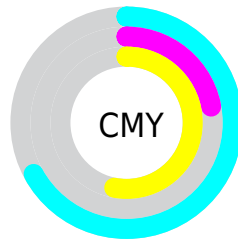
- Red (33%)
- Green (78%)
- Blue (47%)



- Red (33%)
- Yellow (67%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)




- Cyan (67%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 171, 199 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, 171, 199 by changing the saturation by 10% instead.

 84, 171, 199


255, 255, 255


 142, 230, 255

 171, 232, 255

 201, 236, 255

 230, 243, 255

 84, 171, 199

 52, 139, 171


 1, 97, 144

 0, 84, 118


 0, 73, 92


 0, 67, 67


 0, 45, 45

 0, 15, 15


 0, 0, 0

 84, 171, 199


 84, 171, 199

 64, 166, 199

 104, 176, 199

 44, 161, 199


 124, 181, 199

 24, 156, 199

 144, 186, 199

 4, 151, 199

 164, 191, 199

 0, 151, 199

 184, 196, 199

 203, 199, 202

 223, 199, 215

 243, 199, 229

 255, 199, 242

Harmonies

Analogous

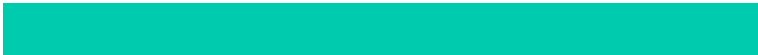
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80, 189, 114



84, 171, 199



0, 109, 203

Triad

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



84, 171, 199



59, 135, 255



255, 137, 128

Complementary

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



84, 171, 199



199, 84, 162

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, 131, 181



84, 171, 199



177, 164, 255

Square

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



84, 171, 199



0, 111, 255



241, 143, 232



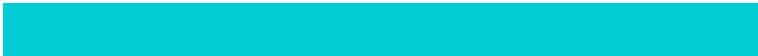
249, 203, 86

Rectangle

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



84, 171, 199



0, 104, 211



241, 143, 232



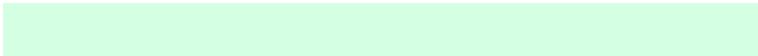
255, 133, 145

Sweetspot

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



84, 171, 199



212, 244, 255



84, 199, 120



102, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 171, 199



79, 212, 255



84, 147, 199



90, 97, 99



0, 123, 163



0, 28, 36

Inverse Universe

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



199, 84, 162



255, 79, 198



199, 84, 105



99, 90, 96



163, 0, 111



36, 0, 24

Previews

White Background



This preview shows how the RYB color 84, 171, 199 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, 171, 199 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_YB 84, 171, 199 Background



This preview shows how black text looks on a background with the R_YB color 84, 171, 199.

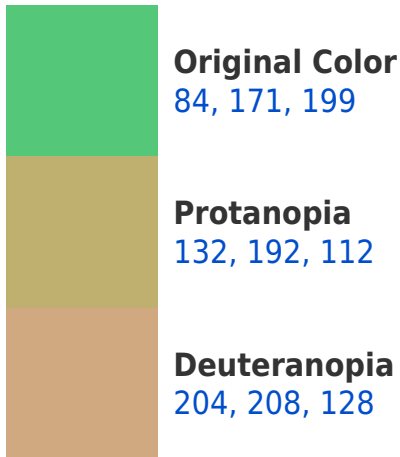


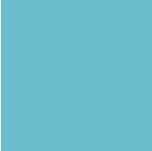
This preview shows how white text looks on a background with the R_YB color 84, 171, 199.

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
107, 151, 204

Trichromacy



Original Color

84, 171, 199



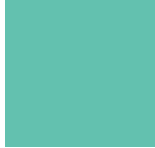
Protanomaly

115, 184, 146



Deuteranomaly

125, 180, 142



Tritanomaly

99, 151, 193

Monochromacy



Original Color

84, 171, 199



Achromatopsia

156, 156, 156



Achromatomaly

130, 162, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 171, 199 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, 199, 121)` looks like.

```
.text, #text, p{  
    color:rgb(84, 199, 121)  
}
```

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, 199, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 199, 121) }
```

Border

The CSS property to change the border of an element to RYB 84, 171, 199 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, 199, 121) }
```

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

```
.border{ border-color:rgb(84, 199, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 199, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 199, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 199, 121);  
box-shadow:4px 4px 4px 4px rgb(84, 199,  
121) }
```

Background

The CSS property to change the background color of an element to RYB 84, 171, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 199, 121) }
```

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

```
.background{ background-color: rgb(84, 199,  
121) }
```

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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