

Converting Colors

`RYB(87, 148, 194)`

Have a look what the booklet for
RYB(87, 148, 194) contains.

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Color

`RYB(87, 148, 194)`

Conversions

Conversions Part 1

Format	Color
Hex	57C2A8
RGB	87, 194, 168
RGB Percent	34%, 76%, 66%
CMY	0.6588, 0.2392, 0.3424
CMYK	0.55, 0.00, 0.14, 0.24
HSL	165°, 47%, 55%
HSV	165°, 55%, 76%
XYZ	30.2612, 43.4254, 43.6808
YIQ	159.0430, -55.4260, -30.7700

Conversions

Conversions Part 2

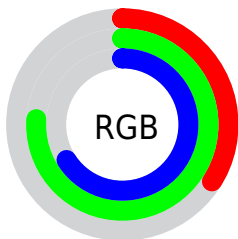
Format	Color
RYB	87, 148, 194
Decimal	5751464
CIELab	71.84, -37.22, 3.95
CIELCh	72, 37.424, 173.944
Yxy	43.4254, 0.2578, 0.3700
Android (android.graphics.Color)	4283941544 (0xFF57C2A8)
YUV	159.0430, 4.4158, -63.1817
Hunter-Lab	65.8979, -33.3519, 6.8278

Details

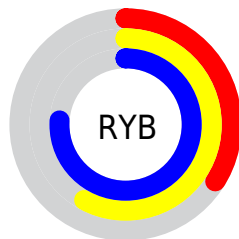
The RYB color **87, 148, 194** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **194, 87, 113**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **145, 206, 251**, and **13, 83, 140** is the 20% darker color. If you saturate the color by 10%, you get **68, 140, 194**, and if you desaturate by 10%, it is **106, 156, 194**.

Distribution



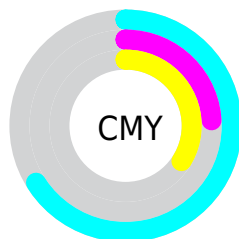
- Red (34%)
- Green (76%)
- Blue (66%)



- Red (34%)
- Yellow (58%)
- Blue (76%)



- Cyan (55%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)


















- Cyan (66%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 148, 194 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 87, 148, 194 by changing the saturation by 10% instead.

 87, 148, 194	 87, 148, 194
 255, 255, 255	 56, 118, 166
 145, 206, 251	 13, 83, 140
 174, 216, 255	 0, 63, 114
 203, 229, 255	 0, 50, 89
 233, 244, 255	 0, 37, 64
	 0, 26, 42
	 0, 12, 12
	 0, 0, 0
 87, 148, 194	 87, 148, 194

■ 68, 140, 194

■ 106, 156, 194

■ 48, 131, 194

■ 126, 165, 194

■ 29, 123, 194

■ 145, 173, 194

■ 9, 114, 194

■ 165, 181, 194

■ 0, 111, 194

■ 184, 190, 194

■ 203, 194, 196

■ 223, 194, 201

■ 242, 194, 206

■ 255, 194, 211

Harmonies

Analogous

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



131, 186, 190



87, 148, 194



44, 121, 203

Triad

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



87, 148, 194



170, 170, 238



231, 180, 122

Complementary

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



87, 148, 194



194, 87, 113

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.



243, 151, 150



87, 148, 194



213, 158, 217

Square

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



87, 148, 194



115, 159, 243



237, 150, 184



158, 205, 108

Rectangle

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



87, 148, 194



44, 125, 222



237, 150, 184



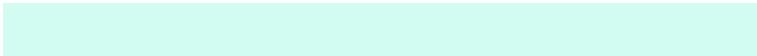
236, 164, 130

Sweetspot

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



87, 148, 194



210, 234, 252



87, 194, 167



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 148, 194



86, 181, 252



87, 133, 194



87, 93, 97



0, 92, 161



0, 19, 33

Inverse Universe

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



194, 87, 113



252, 86, 127



194, 123, 87



97, 87, 90



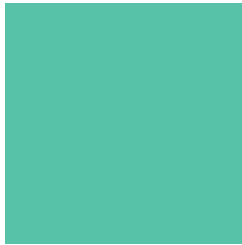
161, 0, 40



33, 0, 8

Previews

White Background



This preview shows how the RYB color 87, 148, 194 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 87, 148, 194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

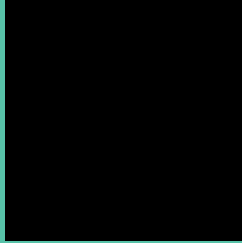
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

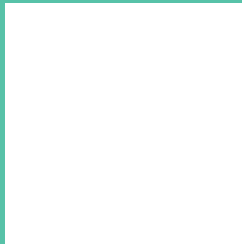
Any Text WCAG AAA ✓ Pass

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

RYB 87, 148, 194 Background



This preview shows how black text looks on a background with the RYB color 87, 148, 194.

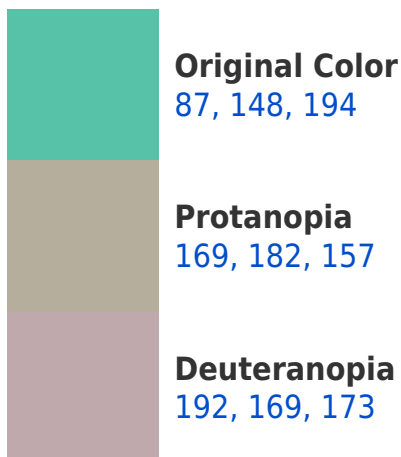


This preview shows how white text looks on a background with the RYB color 87, 148, 194.

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
99, 147, 204

Trichromacy



Original Color
87, 148, 194



Protanomaly
147, 171, 181



Deuteranomaly
154, 168, 178



Tritanomaly
95, 143, 191

Monochromacy



Original Color
87, 148, 194



Achromatopsia
159, 159, 159



Achromatomaly
133, 155, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 148, 194 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, 194, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 194, 168)  
}
```

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, 194, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 194, 168) }
```

Border

The CSS property to change the border of an element to RYB 87, 148, 194 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, 194, 168) }
```

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

```
.border{ border-color:rgb(87, 194, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 194, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 194, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 194, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 194,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 87, 148, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 194, 168) }
```

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

```
.background{ background-color: rgb(87, 194,  
168) }
```

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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