

Converting Colors

`RYB(87, 142, 204)`

Have a look what the booklet for
RYB(87, 142, 204) contains.

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Color

RYB(87, 142, 204)

Conversions

Conversions Part 1

Format	Color
Hex	57BFCC
RGB	87, 191, 204
RGB Percent	34%, 75%, 80%
CMY	0.6588, 0.2518, 0.2000
CMYK	0.57, 0.06, 0.00, 0.20
HSL	187°, 53%, 57%
HSV	187°, 57%, 80%
XYZ	33.4147, 43.5561, 63.7728
YIQ	161.3860, -66.1570, -18.0050

Conversions

Conversions Part 2

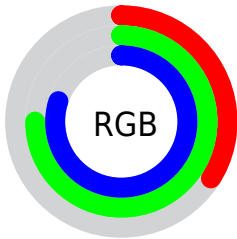
Format	Color
RYB	87, 142, 204
Decimal	5750732
CIELab	71.93, -26.12, -15.73
CIELCh	72, 30.495, 211.054
Yxy	43.5561, 0.2374, 0.3095
Android (android.graphics.Color)	4283940812 (0xFF57BFCC)
YUV	161.3860, 21.0087, -65.2365
Hunter-Lab	65.9970, -25.1192, -11.0939

Details

The RYB color **87, 142, 204** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **204, 102, 87**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **147, 199, 255**, and **0, 72, 150** is the 20% darker color. If you saturate the color by 10%, you get **67, 131, 204**, and if you desaturate by 10%, it is **107, 153, 204**.

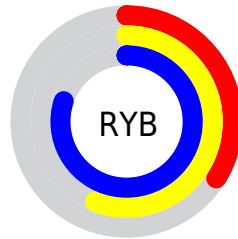
Distribution



Red (34%)

Green (75%)

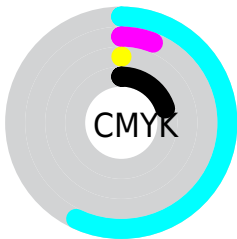
Blue (80%)



Red (34%)

Yellow (56%)

Blue (80%)

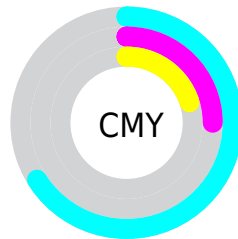


Cyan (57%)

Magenta (6%)

Yellow (0%)

Black (20%)



Cyan (66%)

















Magenta (25%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 142, 204 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, 142, 204 by changing the saturation by 10% instead.

 87, 142, 204	 87, 142, 204
 255, 255, 255	 54, 112, 177
 147, 199, 255	 0, 72, 150
 176, 216, 255	 0, 59, 124
 206, 231, 255	 0, 46, 99
 235, 245, 255	 0, 34, 75
	 0, 23, 53
	 0, 10, 32
	 0, 0, 4
	 0, 0, 0

■ 87, 142, 204

■ 87, 142, 204

■ 67, 131, 204

■ 107, 153, 204

■ 46, 120, 204

■ 128, 164, 204

■ 26, 110, 204

■ 148, 174, 204

■ 5, 99, 204

■ 169, 185, 204

■ 0, 96, 204

■ 189, 196, 204

■ 209, 205, 204

■ 230, 207, 204

■ 250, 210, 204

■ 255, 213, 204

Harmonies

Analogous

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



103, 152, 192



87, 142, 204



103, 152, 224

Triad

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



87, 142, 204



213, 160, 204



148, 195, 121

Complementary

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



87, 142, 204



204, 102, 87

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.



218, 191, 128



87, 142, 204



230, 156, 176

Square

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



87, 142, 204



182, 169, 224



231, 159, 149



128, 183, 146

Rectangle

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



87, 142, 204



128, 163, 231



231, 159, 149



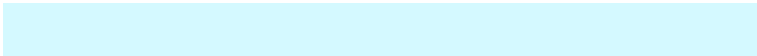
174, 204, 122

Sweetspot

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



87, 142, 204



212, 232, 255



87, 193, 204



102, 114, 128



0, 0, 0



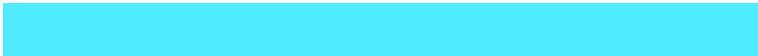
128, 128, 128

Same Dimension

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



87, 142, 204



79, 162, 255



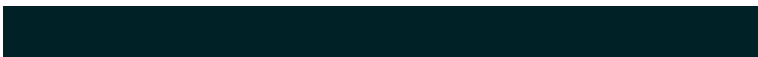
87, 121, 204



92, 97, 102



0, 78, 166



0, 18, 38

Inverse Universe

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



204, 87, 191



255, 79, 235



166, 204, 87



102, 92, 101



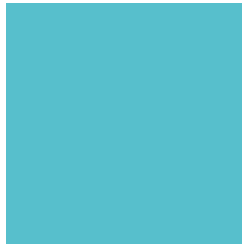
166, 0, 147



38, 0, 34

Previews

White Background



This preview shows how the RYB color 87, 142, 204 looks on a white background.

Color Contrast Check

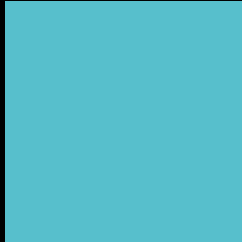
Large Text (above 18pt) WCAG AA × Fail

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, 142, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

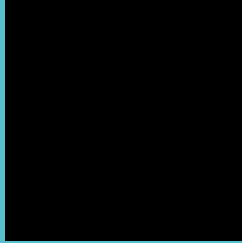
Any Text WCAG AA ✓ Pass

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, 142, 204 Background



This preview shows how black text looks on a background with the RYB color 87, 142, 204.

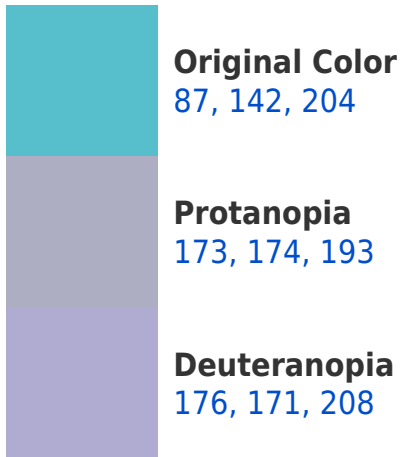


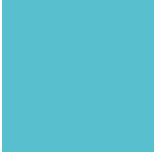
This preview shows how white text looks on a background with the RYB color 87, 142, 204.

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
88, 143, 206

Trichromacy



Original Color

87, 142, 204



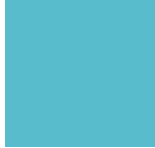
Protanomaly

142, 164, 197



Deuteranomaly

144, 166, 207



Tritanomaly

88, 142, 205

Monochromacy



Original Color

87, 142, 204



Achromatopsia

161, 161, 161



Achromatomaly

134, 154, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 142, 204 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, 191, 204)` looks like.

```
.text, #text, p{  
    color:rgb(87, 191, 204)  
}
```

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, 191, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 191, 204) }
```

Border

The CSS property to change the border of an element to RYB 87, 142, 204 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, 191, 204) }
```

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

```
.border{ border-color:rgb(87, 191, 204) }
```

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

Here you see how a box with a 4 pixel rgb(87, 191, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 191, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 191, 204);  
box-shadow:4px 4px 4px 4px rgb(87, 191,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 87, 191, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 191, 204) }
```

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

```
.background{ background-color: rgb(87, 191,  
204) }
```

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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