

Converting Colors

`RYB(87, 132, 199)`

Have a look what the booklet for
RYB(87, 132, 199) contains.

RYB(87, 132, 199)	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(87, 132, 199)`

Conversions

Conversions Part 1

Format	Color
Hex	57A2C7
RGB	87, 162, 199
RGB Percent	34%, 64%, 78%
CMY	0.6588, 0.3638, 0.2196
CMYK	0.56, 0.18, 0.00, 0.22
HSL	200°, 50%, 56%
HSV	200°, 56%, 78%
XYZ	27.1991, 32.0694, 58.7893
YIQ	143.7930, -56.5770, -4.3930

Conversions

Conversions Part 2

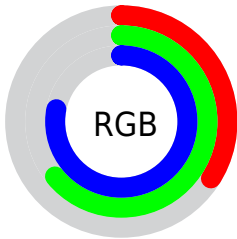
Format	Color
R _Y B	87, 132, 199
Decimal	5743303
CIE Lab	63.40, -12.75, -25.96
CIE LCh	63, 28.924, 243.839
Yxy	32.0694, 0.2304, 0.2716
Android (android.graphics.Color)	4283933383 (0xFF57A2C7)
YUV	143.7930, 27.2171, -49.8075
Hunter-Lab	56.6298, -13.3693, -21.9100

Details

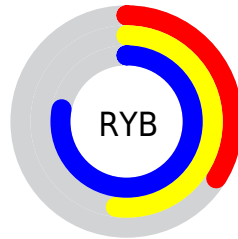
The RYB color **87, 132, 199** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **199, 142, 87**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **145, 189, 255**, and **15, 70, 145** is the 20% darker color. If you saturate the color by 10%, you get **67, 120, 199**, and if you desaturate by 10%, it is **107, 144, 199**.

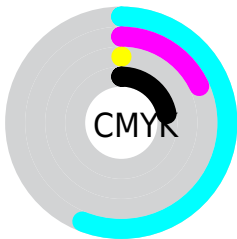
Distribution



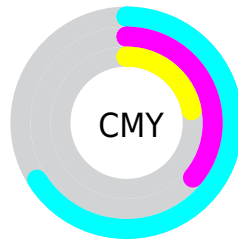
- Red (34%)
- Green (64%)
- Blue (78%)



- Red (34%)
- Yellow (52%)
- Blue (78%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (66%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 132, 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 87, 132, 199 by changing the saturation by 10% instead.

■ 87, 132, 199

255, 255, 255

■ 145, 189, 255

■ 173, 212, 255

■ 202, 229, 255

■ 232, 244, 255

■ 87, 132, 199

■ 56, 103, 172

■ 15, 70, 145

■ 0, 50, 119

■ 0, 38, 94

■ 0, 26, 70

■ 0, 15, 48

■ 0, 1, 27

■ 0, 0, 0

■ 87, 132, 199

■ 87, 132, 199

■ 67, 120, 199

■ 107, 144, 199

■ 47, 108, 199

■ 127, 156, 199

■ 27, 96, 199

■ 147, 168, 199

■ 7, 84, 199

■ 167, 180, 199

■ 0, 80, 199

■ 187, 192, 199

■ 206, 202, 199

■ 226, 213, 199

■ 246, 221, 199

■ 255, 235, 199

Harmonies

Analogous

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



68, 121, 181



87, 132, 199



124, 146, 204

Triad

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



87, 132, 199



203, 134, 151



110, 161, 131

Complementary

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



87, 132, 199



199, 142, 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.



121, 168, 102



87, 132, 199



203, 139, 126

Square

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



87, 132, 199



189, 138, 177



190, 172, 108



110, 151, 166

Rectangle

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



87, 132, 199



150, 149, 200



190, 172, 108



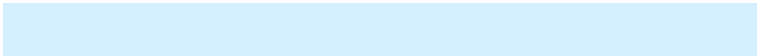
106, 158, 114

Sweetspot

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



87, 132, 199



212, 229, 255



87, 172, 199



102, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 132, 199



82, 151, 255



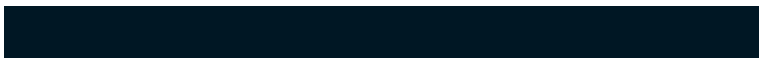
87, 105, 199



90, 94, 99



0, 66, 163



0, 14, 36

Inverse Universe

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



199, 87, 162



255, 82, 198



113, 199, 87



99, 90, 96



163, 0, 110



36, 0, 24

Previews

White Background



This preview shows how the RYB color 87, 132, 199 looks on a white background.

Color Contrast Check

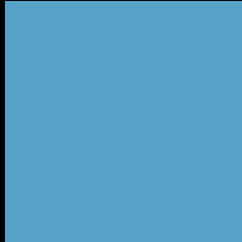
Large Text (above 18pt) WCAG AA × Fail

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 87, 132, 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](#).

RGB 87, 132, 199 Background



This preview shows how black text looks on a background with the RGB color 87, 132, 199.

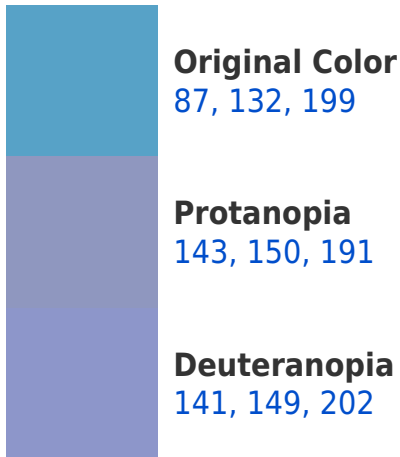


This preview shows how white text looks on a background with the RGB color 87, 132, 199.

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](#).

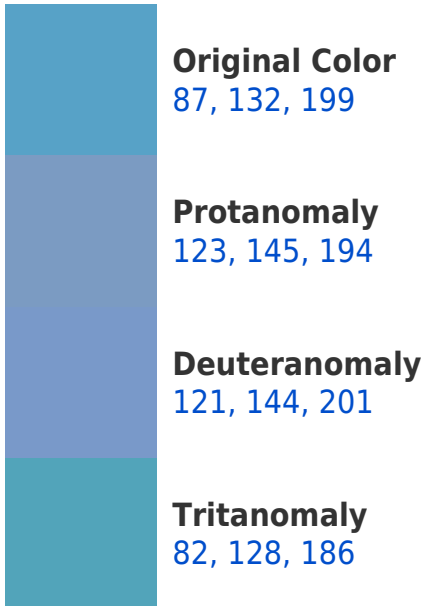
Dichromacy



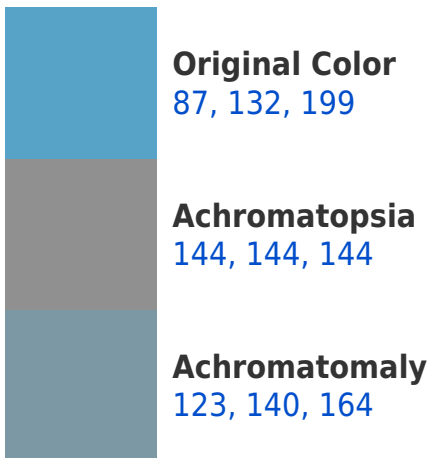


Tritanopia
79, 126, 179

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 132, 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(87, 162, 199)` looks like.

```
.text, #text, p{  
    color:rgb(87, 162, 199)  
}
```

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, 162, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 162, 199) }
```

Border

The CSS property to change the border of an element to RYB 87, 132, 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(87, 162, 199) }
```

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

```
.border{ border-color:rgb(87, 162, 199) }
```

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

Here you see how a box with a 4 pixel rgb(87, 162, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 162, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 162, 199);  
box-shadow:4px 4px 4px 4px rgb(87, 162,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 87, 132, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 162, 199) }
```

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

```
.background{ background-color: rgb(87, 162,  
199) }
```

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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