

Converting Colors

`RYB(85, 134, 198)`

Have a look what the booklet for
RYB(85, 134, 198) contains.

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Color

$\text{RYB}(85, 134, 198)$

Conversions

Conversions Part 1

Format	Color
Hex	55ACC6
RGB	85, 172, 198
RGB Percent	33%, 67%, 78%
CMY	0.6667, 0.3274, 0.2235
CMYK	0.57, 0.13, 0.00, 0.22
HSL	194°, 50%, 55%
HSV	194°, 57%, 78%
XYZ	28.5999, 35.3295, 58.7380
YIQ	148.9510, -60.1980, -10.3580

Conversions

Conversions Part 2

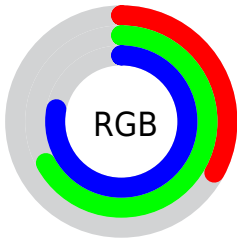
Format	Color
RYP	85, 134, 198
Decimal	5614790
CIELab	66.00, -18.42, -21.42
CIElCh	66, 28.251, 229.318
Yxy	35.3295, 0.2331, 0.2880
Android (android.graphics.Color)	4283804870 (0xFF55ACC6)
YUV	148.9510, 24.1812, -56.0850
Hunter-Lab	59.4386, -18.1295, -16.9841

Details

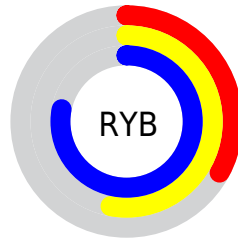
The RYB color **85, 134, 198** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **198, 119, 85**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **143, 191, 255**, and **5, 68, 144** is the 20% darker color. If you saturate the color by 10%, you get **65, 123, 198**, and if you desaturate by 10%, it is **105, 145, 198**.

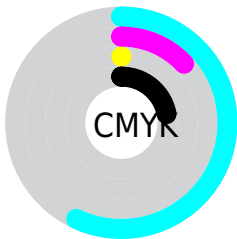
Distribution



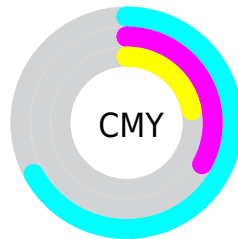
- Red (33%)
- Green (67%)
- Blue (78%)



- Red (33%)
- Yellow (53%)
- Blue (78%)



- Cyan (57%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)




- Cyan (67%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 134, 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 85, 134, 198 by changing the saturation by 10% instead.

 85, 134, 198


255, 255, 255


 143, 191, 255

 172, 214, 255

 201, 228, 255

 231, 243, 255

 85, 134, 198

 53, 105, 171


 5, 68, 144

 0, 52, 118


 0, 40, 94


 0, 28, 70

 0, 18, 47

 0, 1, 27

 0, 0, 0

 85, 134, 198

 85, 134, 198

■ 65, 123, 198

■ 105, 145, 198

■ 45, 111, 198

■ 125, 157, 198

■ 26, 101, 198

■ 144, 167, 198

■ 6, 89, 198

■ 164, 179, 198

■ 0, 86, 198

■ 184, 190, 198

■ 204, 199, 198

■ 224, 206, 198

■ 243, 213, 198

■ 255, 218, 198

Harmonies

Analogous

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



82, 128, 176



85, 134, 198



114, 148, 210

Triad

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



85, 134, 198



205, 142, 171



112, 164, 115

Complementary

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



85, 134, 198



198, 119, 85

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.



163, 187, 111



85, 134, 198



211, 142, 145

Square

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



85, 134, 198



184, 148, 194



204, 157, 123



127, 170, 164

Rectangle

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



85, 134, 198



139, 155, 210



204, 157, 123



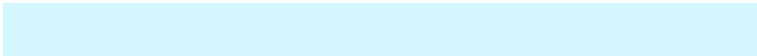
121, 170, 110

Sweetspot

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



85, 134, 198



212, 231, 255



85, 177, 198



102, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 134, 198



82, 157, 255



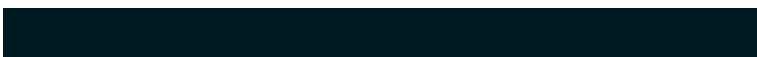
85, 109, 198



90, 94, 99



0, 71, 163



0, 15, 36

Inverse Universe

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



198, 85, 172



255, 82, 214



126, 198, 85



99, 90, 97



163, 0, 125



36, 0, 27

Previews

White Background



This preview shows how the RYB color 85, 134, 198 looks on a white background.

Color Contrast Check

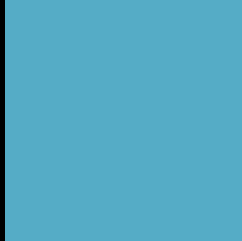
Large Text (above 18pt) WCAG AA × Fail

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 85, 134, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

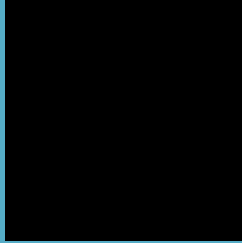
Any Text WCAG AA ✓ Pass

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](#).

RGB 85, 134, 198 Background



This preview shows how black text looks on a background with the RGB color 85, 134, 198.



This preview shows how white text looks on a background with the RGB color 85, 134, 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



Original Color
85, 134, 198

Protanopia
153, 157, 189

Deuteranopia
153, 156, 201



Tritanopia
81, 130, 187

Trichromacy



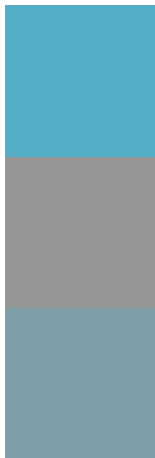
Original Color
85, 134, 198

Protanomaly
128, 151, 192

Deuteranomaly
128, 151, 200

Tritanomaly
82, 131, 191

Monochromacy



Original Color
85, 134, 198

Achromatopsia
149, 149, 149

Achromatomaly
126, 144, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 134, 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(85, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(85, 172, 198)  
}
```

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(85, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 172, 198) }
```

Border

The CSS property to change the border of an element to RYB 85, 134, 198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

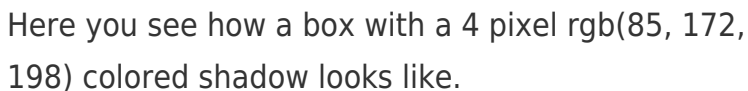
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 172, 198) }
```

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

```
.border{ border-color:rgb(85, 172, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(85, 172,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 85, 134, 198 is called "background".

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

```
.background, #background, body{  
background: rgb(85, 172, 198) }
```

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

```
.background{ background-color: rgb(85, 172,  
198) }
```

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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