

Converting Colors

`RYB(84, 135, 210)`

Have a look what the booklet for
RYB(84, 135, 210) contains.

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Color

$\text{RYB}(84, 135, 210)$

Conversions

Conversions Part 1

Format	Color
Hex	54AAD2
RGB	84, 170, 210
RGB Percent	33%, 67%, 82%
CMY	0.6706, 0.3346, 0.1765
CMYK	0.60, 0.19, 0.00, 0.18
HSL	199°, 58%, 58%
HSV	199°, 60%, 82%
XYZ	29.6038, 35.1676, 66.2005
YIQ	148.8460, -64.0960, -5.7920

Conversions

Conversions Part 2

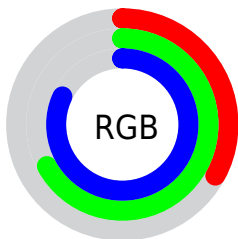
Format	Color
RYB	84, 135, 210
Decimal	5548754
CIELab	65.88, -14.00, -28.26
CIELCh	66, 31.539, 243.649
Yxy	35.1676, 0.2260, 0.2685
Android (android.graphics.Color)	4283738834 (0xFF54AAD2)
YUV	148.8460, 30.1489, -56.8699
Hunter-Lab	59.3023, -14.6713, -24.6752

Details

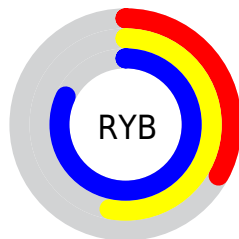
The RYB color **84, 135, 210** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **210, 143, 84**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **143, 190, 255**, and **0, 67, 155** is the 20% darker color. If you saturate the color by 10%, you get **63, 123, 210**, and if you desaturate by 10%, it is **105, 147, 210**.

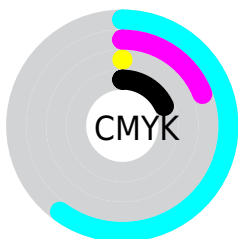
Distribution



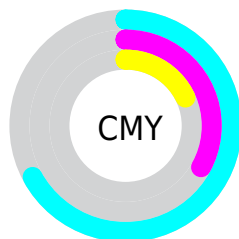
- Red (33%)
- Green (67%)
- Blue (82%)



- Red (33%)
- Yellow (53%)
- Blue (82%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



















- Cyan (67%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 135, 210 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, 135, 210 by changing the saturation by 10% instead.

 84, 135, 210	 84, 135, 210
 255, 255, 255	 51, 105, 182
 143, 190, 255	 0, 67, 155
 173, 214, 255	 0, 54, 129
 202, 229, 255	 0, 41, 104
 232, 244, 255	 0, 30, 80
	 0, 18, 56
	 0, 2, 35
	 0, 0, 10
	 0, 0, 0

■ 84, 135, 210

■ 84, 135, 210

■ 63, 123, 210

■ 105, 147, 210

■ 42, 110, 210

■ 126, 160, 210

■ 21, 98, 210

■ 147, 173, 210

■ 0, 85, 210

■ 168, 185, 210

■ 189, 197, 210

■ 210, 210, 210

■ 231, 221, 210

■ 252, 229, 210

■ 255, 246, 210

Harmonies

Analogous

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



62, 122, 190



84, 135, 210



127, 152, 216

Triad

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



84, 135, 210



215, 139, 158



112, 168, 134

Complementary

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



84, 135, 210



210, 143, 84

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.



125, 176, 103



84, 135, 210



214, 144, 130

Square

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



84, 135, 210



199, 143, 186



200, 182, 110



112, 157, 173

Rectangle

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



84, 135, 210



155, 155, 212



200, 182, 110



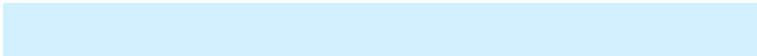
108, 165, 117

Sweetspot

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



84, 135, 210



209, 228, 255



84, 180, 210



99, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 135, 210



71, 145, 255



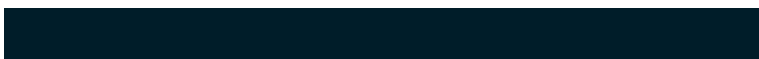
84, 103, 210



94, 98, 105



0, 68, 168



0, 17, 41

Inverse Universe

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



210, 84, 170



255, 71, 196



112, 210, 84



105, 94, 101



168, 0, 114



41, 0, 28

Previews

White Background



This preview shows how the RYB color 84, 135, 210 looks on a white background.

Color Contrast Check

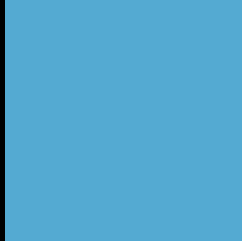
Large Text (above 18pt) WCAG AA × Fail

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, 135, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

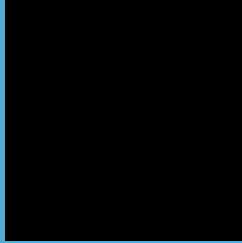
Any Text WCAG AA ✓ Pass

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 Y B 84, 135, 210 Background



This preview shows how black text looks on a background with the R Y B color 84, 135, 210.

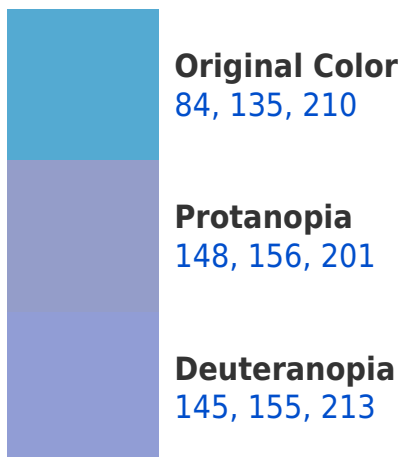


This preview shows how white text looks on a background with the R Y B color 84, 135, 210.

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](#).

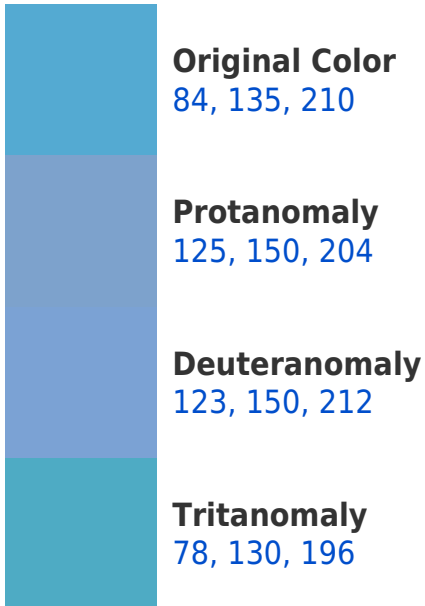
Dichromacy



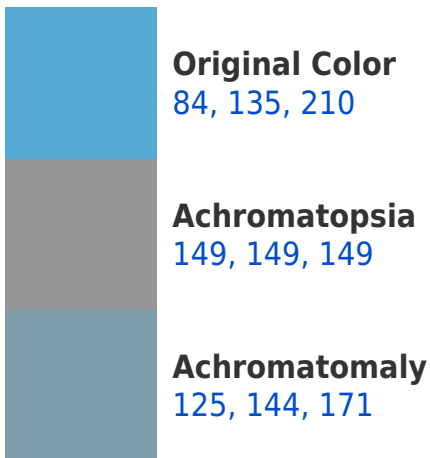


Tritanopia
74, 127, 188

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 135, 210 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, 170, 210)` looks like.

```
.text, #text, p{  
    color:rgb(84, 170, 210)  
}
```

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, 170, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 170, 210) }
```

Border

The CSS property to change the border of an element to RYB 84, 135, 210 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, 170, 210) }
```

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

```
.border{ border-color:rgb(84, 170, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 170, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 170, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 170, 210);  
box-shadow:4px 4px 4px 4px rgb(84, 170,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 84, 135, 210 is called "background".

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

```
.background, #background, body{  
background: rgb(84, 170, 210) }
```

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

```
.background{ background-color: rgb(84, 170,  
210) }
```

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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