

Converting Colors

`RYB(80, 134, 208)`

Have a look what the booklet for
RYB(80, 134, 208) contains.

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Color

RYB(80, 134, 208)

Conversions

Conversions Part 1

Format	Color
Hex	50ADD0
RGB	80, 173, 208
RGB Percent	31%, 68%, 82%
CMY	0.6863, 0.3200, 0.1843
CMYK	0.62, 0.17, 0.00, 0.18
HSL	196°, 58%, 56%
HSV	196°, 62%, 82%
XYZ	29.7149, 36.3024, 65.1154
YIQ	149.1830, -66.6630, -8.8310

Conversions

Conversions Part 2

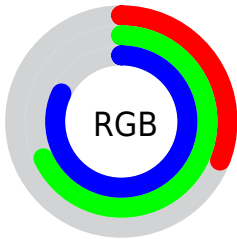
Format	Color
R _Y B	80, 134, 208
Decimal	5287376
CIE Lab	66.75, -17.33, -25.83
CIE LCh	67, 31.105, 236.137
Yxy	36.3024, 0.2266, 0.2768
Android (android.graphics.Color)	4283477456 (0xFF50ADD0)
YUV	149.1830, 28.9968, -60.6735
Hunter-Lab	60.2515, -17.4073, -21.9003

Details

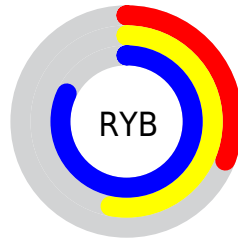
The RYB color **80, 134, 208** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **208, 128, 80**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **140, 190, 255**, and **0, 68, 154** is the 20% darker color. If you saturate the color by 10%, you get **59, 122, 208**, and if you desaturate by 10%, it is **101, 146, 208**.

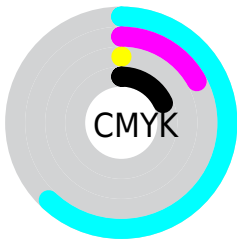
Distribution



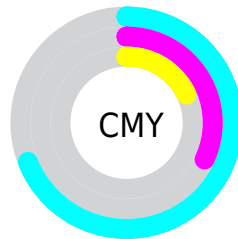
- Red (31%)
- Green (68%)
- Blue (82%)



- Red (31%)
- Yellow (53%)
- Blue (82%)



- Cyan (62%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)



















- Cyan (69%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 134, 208 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 80, 134, 208 by changing the saturation by 10% instead.

 80, 134, 208	 80, 134, 208
 255, 255, 255	 45, 103, 180
 140, 190, 255	 0, 68, 154
 170, 213, 255	 0, 55, 127
 199, 227, 255	 0, 42, 102
 229, 242, 255	 0, 30, 78
	 0, 19, 55
	 0, 2, 34
	 0, 0, 7
	 0, 0, 0

■ 80, 134, 208

■ 80, 134, 208

■ 59, 122, 208

■ 101, 146, 208

■ 38, 110, 208

■ 122, 158, 208

■ 18, 98, 208

■ 142, 170, 208

■ 0, 88, 208

■ 163, 182, 208

■ 184, 194, 208

■ 205, 206, 208

■ 226, 215, 208

■ 246, 222, 208

■ 255, 232, 208

Harmonies

Analogous

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



68, 125, 186



80, 134, 208



119, 151, 218

Triad

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



80, 134, 208



214, 142, 167



111, 168, 123

Complementary

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



80, 134, 208



208, 128, 80

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.



146, 185, 107



80, 134, 208



218, 143, 139

Square

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



80, 134, 208



195, 147, 194



207, 169, 117



124, 169, 174

Rectangle

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



80, 134, 208



148, 158, 216



207, 169, 117



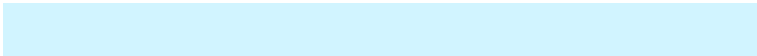
109, 166, 108

Sweetspot

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



80, 134, 208



209, 229, 255



80, 181, 208



99, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 134, 208



66, 146, 255



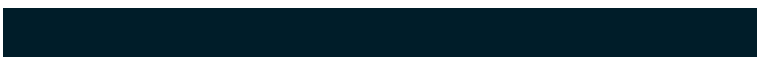
80, 104, 208



94, 99, 105



0, 71, 168



0, 17, 41

Inverse Universe

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



208, 80, 173



255, 66, 204



119, 208, 80



105, 94, 102



168, 0, 123



41, 0, 30

Previews

White Background



This preview shows how the RYB color 80, 134, 208 looks on a white background.

Color Contrast Check

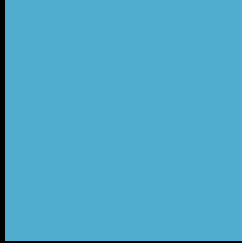
Large Text (above 18pt) WCAG AA × Fail

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 80, 134, 208 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 80, 134, 208 Background



This preview shows how black text looks on a background with the RYB color 80, 134, 208.

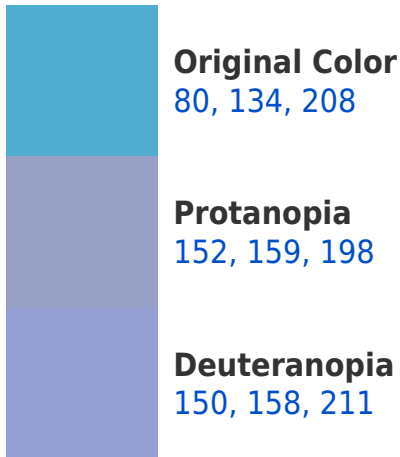


This preview shows how white text looks on a background with the RYB color 80, 134, 208.

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



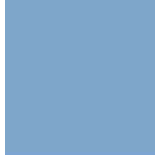


Tritanopia
72, 127, 191

Trichromacy



Original Color
80, 134, 208



Protanomaly
126, 152, 202



Deuteranomaly
125, 152, 210



Tritanomaly
75, 130, 197

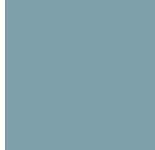
Monochromacy



Original Color
80, 134, 208



Achromatopsia
149, 149, 149



Achromatomaly
124, 144, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 134, 208 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(80, 173, 208)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 208)  
}
```

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(80, 173, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 208) }
```

Border

The CSS property to change the border of an element to RYB 80, 134, 208 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(80, 173, 208) }
```

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

```
.border{ border-color:rgb(80, 173, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 208);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
208) }
```

Background

The CSS property to change the background color of an element to RGB 80, 134, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 173, 208) }
```

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

```
.background{ background-color: rgb(80, 173,  
208) }
```

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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