

Converting Colors

`RYB(89, 133, 207)`

Have a look what the booklet for
RYB(89, 133, 207) contains.

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Color

`RYB(89, 133, 207)`

Conversions

Conversions Part 1

Format	Color
Hex	599FCF
RGB	89, 159, 207
RGB Percent	35%, 62%, 81%
CMY	0.6510, 0.3758, 0.1882
CMYK	0.57, 0.23, 0.00, 0.19
HSL	204°, 55%, 58%
HSV	204°, 57%, 81%
XYZ	27.8084, 31.4809, 63.6423
YIQ	143.5420, -57.1280, 0.0880

Conversions

Conversions Part 2

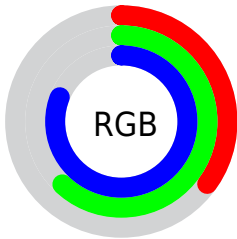
Format	Color
R _Y B	89, 133, 207
Decimal	5873615
CIE Lab	62.91, -8.20, -31.17
CIE LCh	63, 32.229, 255.253
Yxy	31.4809, 0.2262, 0.2561
Android (android.graphics.Color)	4284063695 (0xFF599FCF)
YUV	143.5420, 31.2848, -47.8333
Hunter-Lab	56.1079, -9.7201, -27.9762

Details

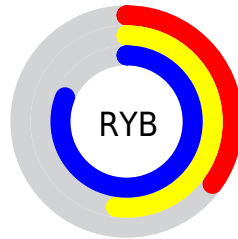
The RYB color **89, 133, 207** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **207, 170, 89**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **147, 188, 255**, and **17, 71, 152** is the 20% darker color. If you saturate the color by 10%, you get **68, 120, 207**, and if you desaturate by 10%, it is **110, 146, 207**.

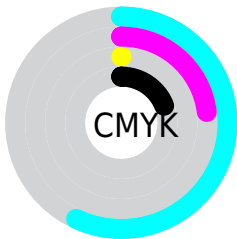
Distribution



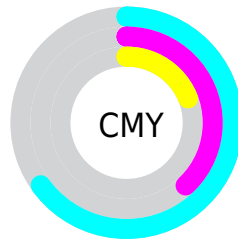
- Red (35%)
- Green (62%)
- Blue (81%)



- Red (35%)
- Yellow (52%)
- Blue (81%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



















- Cyan (65%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 133, 207 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 89, 133, 207 by changing the saturation by 10% instead.

 89, 133, 207	 89, 133, 207
 255, 255, 255	 58, 104, 179
 147, 188, 255	 17, 71, 152
 176, 212, 255	 0, 50, 126
 205, 230, 255	 0, 38, 101
 235, 245, 255	 0, 26, 77
	 0, 14, 54
	 0, 2, 32
	 0, 0, 4
	 0, 0, 0

■ 89, 133, 207

■ 89, 133, 207

■ 68, 120, 207

■ 110, 146, 207

■ 48, 107, 207

■ 130, 159, 207

■ 27, 94, 207

■ 151, 172, 207

■ 6, 81, 207

■ 172, 185, 207

■ 0, 77, 207

■ 193, 198, 207

■ 213, 213, 207

■ 234, 226, 207

■ 255, 238, 207

■ 241, 255, 207

Harmonies

Analogous

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



50, 114, 192



89, 133, 207



135, 147, 207

Triad

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



89, 133, 207



209, 131, 138



111, 162, 148

Complementary

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



89, 133, 207



207, 170, 89

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.



98, 157, 96



89, 133, 207



203, 144, 113

Square

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



89, 133, 207



199, 132, 168



164, 184, 97



89, 137, 167

Rectangle

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



89, 133, 207



162, 143, 199



164, 184, 97



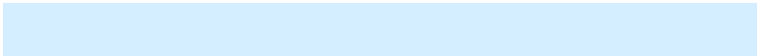
105, 160, 129

Sweetspot

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



89, 133, 207



212, 228, 255



89, 173, 207



102, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 133, 207



82, 147, 255



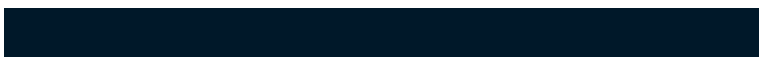
89, 100, 207



94, 98, 105



0, 63, 168



0, 15, 41

Inverse Universe

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



207, 89, 159



255, 82, 185



102, 207, 89



105, 94, 100



168, 0, 100



41, 0, 24

Previews

White Background



This preview shows how the RYB color 89, 133, 207 looks on a white background.

Color Contrast Check

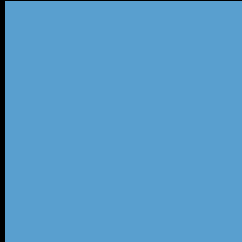
Large Text (above 18pt) WCAG AA × Fail

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 89, 133, 207 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

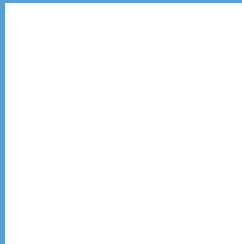
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 89, 133, 207 Background



This preview shows how black text looks on a background with the RYB color 89, 133, 207.

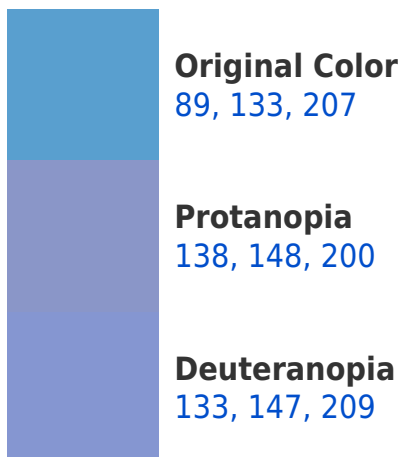


This preview shows how white text looks on a background with the RYB color 89, 133, 207.

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
77, 124, 178

Trichromacy



Original Color
89, 133, 207

Protanomaly
120, 144, 203

Deuteranomaly
117, 143, 208

Tritanomaly
81, 127, 189

Monochromacy



Original Color
89, 133, 207

Achromatopsia
144, 144, 144

Achromatomaly
124, 140, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 133, 207 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(89, 159, 207)` looks like.

```
.text, #text, p{  
    color:rgb(89, 159, 207)  
}
```

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(89, 159, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 159, 207) }
```

Border

The CSS property to change the border of an element to RYB 89, 133, 207 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(89, 159, 207) }
```

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

```
.border{ border-color:rgb(89, 159, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 159, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 159, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 159, 207);  
box-shadow:4px 4px 4px 4px rgb(89, 159,  
207) }
```

Background

The CSS property to change the background color of an element to RGB 89, 133, 207 is called "background".

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

```
.background, #background, body{  
background: rgb(89, 159, 207) }
```

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

```
.background{ background-color: rgb(89, 159,  
207) }
```

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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