

Converting Colors

`RYB(86, 132, 211)`

Have a look what the booklet for
RYB(86, 132, 211) contains.

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Color

R_YB(86, 132, 211)

Conversions

Conversions Part 1

Format	Color
Hex	569FD3
RGB	86, 159, 211
RGB Percent	34%, 62%, 83%
CMY	0.6627, 0.3773, 0.1725
CMYK	0.59, 0.25, 0.00, 0.17
HSL	205°, 59%, 58%
HSV	205°, 59%, 83%
XYZ	27.9568, 31.4039, 66.2161
YIQ	143.1010, -60.2000, 0.6960

Conversions

Conversions Part 2

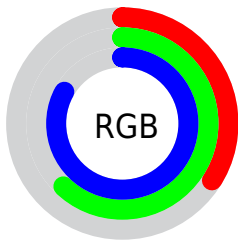
Format	Color
R_{YB}	86, 132, 211
Decimal	5677011
CIE Lab	62.85, -7.34, -33.50
CIE LCh	63, 34.297, 257.648
Yxy	31.4039, 0.2226, 0.2501
Android (android.graphics.Color)	4283867091 (0xFF569FD3)
YUV	143.1010, 33.4742, -50.0776
Hunter-Lab	56.0392, -9.0186, -30.8298

Details

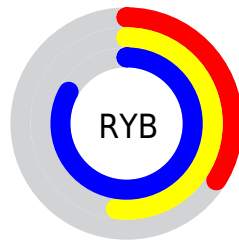
The RYB color **86, 132, 211** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **211, 175, 86**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **145, 187, 255**, and **2, 65, 156** is the 20% darker color. If you saturate the color by 10%, you get **65, 119, 211**, and if you desaturate by 10%, it is **107, 145, 211**.

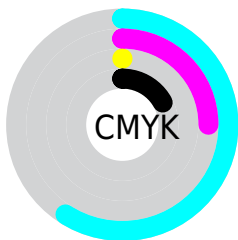
Distribution



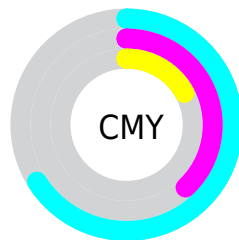
- Red (34%)
- Green (62%)
- Blue (83%)



- Red (34%)
- Yellow (52%)
- Blue (83%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)



















- Cyan (66%)
- Magenta (38%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 132, 211 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 86, 132, 211 by changing the saturation by 10% instead.

 86, 132, 211	 86, 132, 211
 255, 255, 255	 54, 103, 183
 145, 187, 255	 2, 65, 156
 174, 211, 255	 0, 51, 130
 203, 229, 255	 0, 39, 105
 233, 244, 255	 0, 26, 80
	 0, 14, 57
	 0, 2, 35
	 0, 0, 10
	 0, 0, 0

■ 86, 132, 211

■ 86, 132, 211

■ 65, 119, 211

■ 107, 145, 211

■ 44, 105, 211

■ 128, 158, 211

■ 23, 92, 211

■ 149, 172, 211

■ 2, 79, 211

■ 170, 185, 211

■ 0, 78, 211

■ 192, 199, 211

■ 213, 213, 211

■ 234, 226, 211

■ 255, 241, 211

■ 239, 255, 211

Harmonies

Analogous

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



34, 106, 196



86, 132, 211



137, 147, 210

Triad

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



86, 132, 211



212, 129, 135



110, 163, 153

Complementary

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



86, 132, 211



211, 175, 86

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.



93, 156, 95



86, 132, 211



204, 148, 108

Square

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



86, 132, 211



203, 130, 166



156, 183, 93



81, 134, 168

Rectangle

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



86, 132, 211



166, 141, 200



156, 183, 93



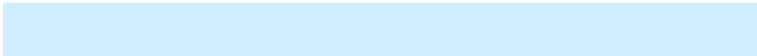
103, 161, 132

Sweetspot

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



86, 132, 211



209, 226, 255



86, 174, 211



99, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 132, 211



74, 140, 255



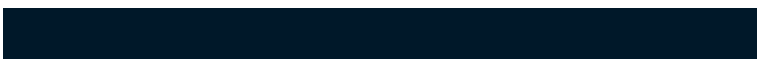
86, 95, 211



94, 98, 105



0, 62, 168



0, 15, 41

Inverse Universe

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



211, 86, 159



255, 74, 179



97, 211, 86



105, 94, 100



168, 0, 98



41, 0, 24

Previews

White Background



This preview shows how the RYB color 86, 132, 211 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 86, 132, 211 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

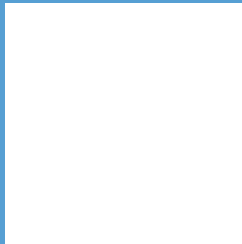
Any Text WCAG AAA ✓ Pass

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

R Y B 86, 132, 211 Background



This preview shows how black text looks on a background with the R Y B color 86, 132, 211.

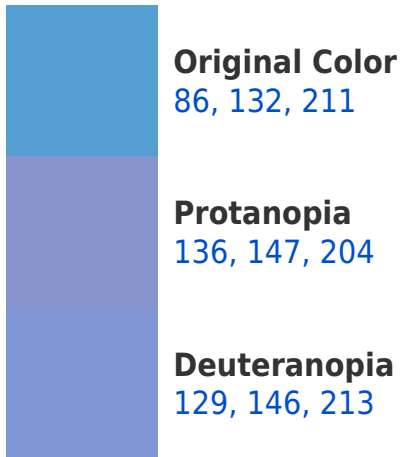


This preview shows how white text looks on a background with the R Y B color 86, 132, 211.

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, 122, 178

Trichromacy



Original Color
86, 132, 211

Protanomaly
118, 143, 207

Deuteranomaly
113, 141, 212

Tritanomaly
77, 126, 190

Monochromacy



Original Color
86, 132, 211

Achromatopsia
143, 143, 143

Achromatomaly
122, 139, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 132, 211 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(86, 159, 211)` looks like.

```
.text, #text, p{  
    color:rgb(86, 159, 211)  
}
```

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(86, 159, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 159, 211) }
```

Border

The CSS property to change the border of an element to RYB 86, 132, 211 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(86, 159, 211) }
```

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

```
.border{ border-color:rgb(86, 159, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 159, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 159, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 159, 211);  
box-shadow:4px 4px 4px 4px rgb(86, 159,  
211) }
```

Background

The CSS property to change the background color of an element to RGB 86, 159, 211 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 159, 211) }
```

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

```
.background{ background-color: rgb(86, 159,  
211) }
```

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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