

Converting Colors

`RYB(86, 120, 231)`

Have a look what the booklet for
RYB(86, 120, 231) contains.

RYB(86, 120, 231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(86, 120, 231)`

Conversions

Conversions Part 1

Format	Color
Hex	5682E7
RGB	86, 130, 231
RGB Percent	34%, 51%, 91%
CMY	0.6627, 0.4886, 0.0941
CMYK	0.63, 0.44, 0.00, 0.09
HSL	222°, 75%, 62%
HSV	222°, 63%, 91%
XYZ	26.2994, 23.8237, 78.8136
YIQ	128.3580, -58.6450, 22.0830

Conversions

Conversions Part 2

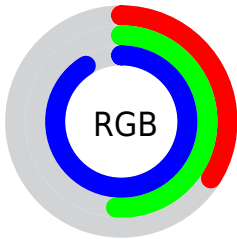
Format	Color
R _Y B	86, 120, 231
Decimal	5669607
CIE Lab	55.91, 15.86, -55.59
CIE LCh	56, 57.807, 285.919
Yxy	23.8237, 0.2040, 0.1848
Android (android.graphics.Color)	4283859687 (0xFF5682E7)
YUV	128.3580, 50.6025, -37.1480
Hunter-Lab	48.8095, 10.7623, -61.5700

Details

The RYB color **86, 120, 231** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **149, 231, 86**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **147, 173, 255**, and **0, 55, 175** is the 20% darker color. If you saturate the color by 10%, you get **63, 102, 231**, and if you desaturate by 10%, it is **109, 137, 231**.

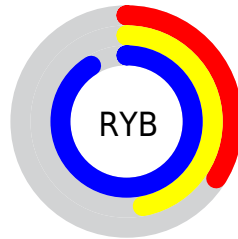
Distribution



Red (34%)

Green (51%)

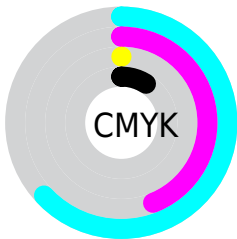
Blue (91%)



Red (34%)

Yellow (47%)

Blue (91%)

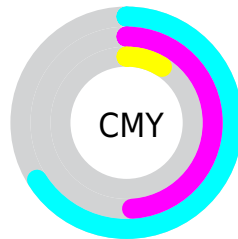


Cyan (63%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (66%)

















Magenta (49%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 120, 231 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, 120, 231 by changing the saturation by 10% instead.

 86, 120, 231	 86, 120, 231
 255, 255, 255	 51, 91, 203
 147, 174, 255	 0, 56, 175
 177, 200, 255	 0, 42, 148
 207, 226, 255	 0, 29, 121
 237, 246, 255	 0, 17, 96
	 0, 7, 71
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 86, 120, 231

■ 86, 120, 231

■ 63, 102, 231

■ 109, 137, 231

■ 40, 84, 231

■ 132, 155, 231

■ 17, 67, 231

■ 155, 173, 231

■ 0, 54, 231

■ 178, 191, 231

■ 202, 209, 231

■ 225, 227, 231

■ 238, 248, 231

■ 231, 255, 231

Harmonies

Analogous

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



0, 89, 231



86, 120, 231



170, 109, 204

Triad

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



86, 120, 231



211, 116, 63



0, 92, 156

Complementary

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



86, 120, 231



149, 231, 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.



59, 151, 135



86, 120, 231



116, 179, 27

Square

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



86, 120, 231



225, 86, 109



22, 140, 28



0, 79, 160

Rectangle

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



86, 120, 231



202, 95, 176



22, 140, 28



0, 98, 155

Sweetspot

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



86, 120, 231



207, 218, 255



86, 172, 231



98, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 120, 231



64, 108, 255



113, 86, 231



103, 106, 115



0, 42, 179



0, 12, 51

Inverse Universe

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



231, 86, 130



255, 64, 122



86, 231, 113



115, 103, 107



179, 0, 55



51, 0, 16

Previews

White Background



This preview shows how the RYB color 86, 120, 231 looks on a white background.

Color Contrast Check

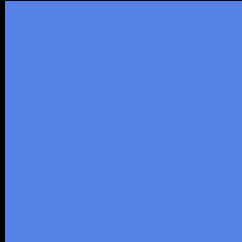
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

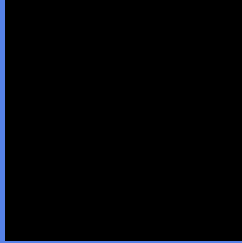
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

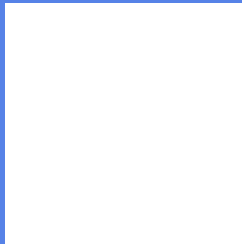
Any Text WCAG AAA × Fail

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

R Y B 86, 120, 231 Background



This preview shows how black text looks on a background with the RYB color 86, 120, 231.

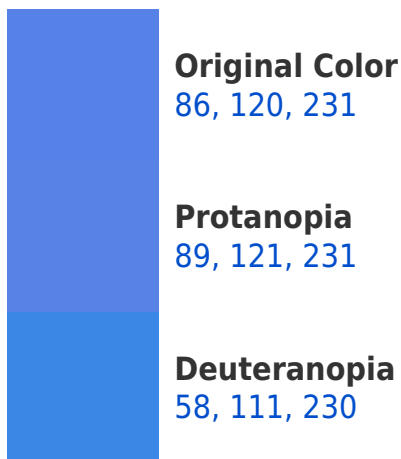


This preview shows how white text looks on a background with the RYB color 86, 120, 231.

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
48, 100, 158

Trichromacy



Original Color
86, 120, 231

Protanomaly
88, 120, 231

Deuteranomaly
68, 114, 230

Tritanomaly
62, 110, 185

Monochromacy



Original Color
86, 120, 231

Achromatopsia
129, 129, 129

Achromatomaly
113, 126, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 120, 231 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, 130, 231)` looks like.

```
.text, #text, p{  
    color:rgb(86, 130, 231)  
}
```

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, 130, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 130, 231) }
```

Border

The CSS property to change the border of an element to RYB 86, 120, 231 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, 130, 231) }
```

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

```
.border{ border-color:rgb(86, 130, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 130, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 130, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 130, 231);  
box-shadow:4px 4px 4px 4px rgb(86, 130,  
231) }
```

Background

The CSS property to change the background color of an element to RGB 86, 130, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 130, 231) }
```

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

```
.background{ background-color: rgb(86, 130,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor