

Converting Colors

`RYB(87, 126, 226)`

Have a look what the booklet for
RYB(87, 126, 226) contains.

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Color

`RYB(87, 126, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	578DE2
RGB	87, 141, 226
RGB Percent	34%, 55%, 89%
CMY	0.6588, 0.4462, 0.1137
CMYK	0.62, 0.38, 0.00, 0.11
HSL	217°, 71%, 61%
HSV	217°, 62%, 89%
XYZ	27.2138, 26.6290, 75.6571
YIQ	134.5440, -59.4690, 14.9870

Conversions

Conversions Part 2

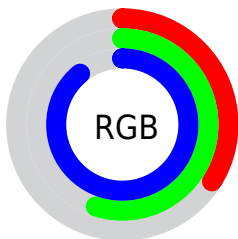
Format	Color
R _Y B	87, 126, 226
Decimal	5737954
CIE Lab	58.63, 7.87, -48.47
CIE LCh	59, 49.108, 279.223
Yxy	26.6290, 0.2101, 0.2056
Android (android.graphics.Color)	4283928034 (0xFF578DE2)
YUV	134.5440, 45.0878, -41.6961
Hunter-Lab	51.6033, 3.8292, -50.8046

Details

The RYB color **87, 126, 226** 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 **175, 226, 87**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **147, 180, 255**, and **0, 59, 170** is the 20% darker color. If you saturate the color by 10%, you get **64, 109, 226**, and if you desaturate by 10%, it is **110, 142, 226**.

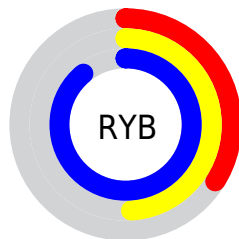
Distribution



Red (34%)

Green (55%)

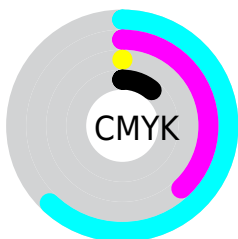
Blue (89%)



Red (34%)

Yellow (49%)

Blue (89%)

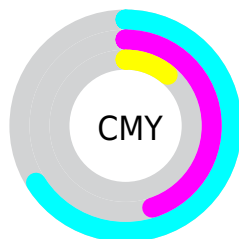


Cyan (62%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (66%)

















Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 126, 226 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 87, 126, 226 by changing the saturation by 10% instead.

 87, 126, 226	 87, 126, 226
 255, 255, 255	 53, 97, 198
 147, 180, 255	 0, 60, 170
 177, 206, 255	 0, 47, 143
 207, 230, 255	 0, 34, 117
 237, 246, 255	 0, 21, 92
	 0, 6, 68
	 0, 3, 45
	 0, 1, 23
	 0, 0, 0

■ 87, 126, 226

■ 87, 126, 226

■ 64, 109, 226

■ 110, 142, 226

■ 42, 94, 226

■ 132, 159, 226

■ 19, 77, 226

■ 155, 175, 226

■ 0, 63, 226

■ 177, 191, 226

■ 200, 207, 226

■ 223, 224, 226

■ 237, 245, 226

■ 231, 255, 226

■ 226, 255, 226

Harmonies

Analogous

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



0, 91, 221



87, 126, 226



161, 124, 208

Triad

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



87, 126, 226



214, 117, 89



31, 111, 160

Complementary

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



87, 126, 226



175, 226, 87

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.



71, 154, 119



87, 126, 226



177, 190, 59

Square

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



87, 126, 226



221, 103, 129



62, 153, 51



0, 83, 162

Rectangle

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



87, 126, 226



193, 113, 186



62, 153, 51



65, 136, 159

Sweetspot

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



87, 126, 226



209, 222, 255



87, 174, 226



99, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 126, 226



66, 119, 255



101, 87, 226



101, 104, 112



0, 50, 176



0, 14, 48

Inverse Universe

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



226, 87, 141



255, 66, 140



87, 226, 101



112, 101, 105



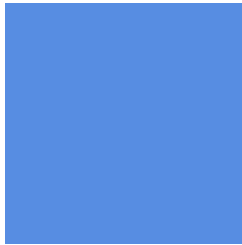
176, 0, 69



48, 0, 19

Previews

White Background



This preview shows how the RYB color 87, 126, 226 looks on a white background.

Color Contrast Check

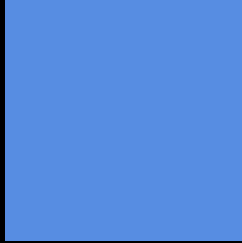
Large Text (above 18pt) WCAG AA ✓ Pass

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 87, 126, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

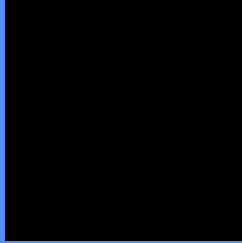
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

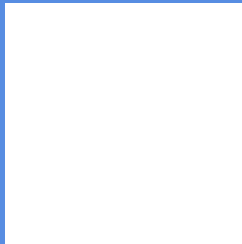
Any Text WCAG AAA × Fail

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

RYB 87, 126, 226 Background



This preview shows how black text looks on a background with the RYB color 87, 126, 226.

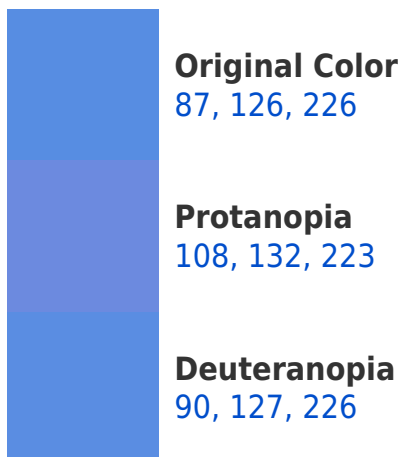


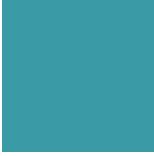
This preview shows how white text looks on a background with the RYB color 87, 126, 226.

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
58, 109, 166

Trichromacy



Original Color
87, 126, 226

Protanomaly
100, 130, 224

Deuteranomaly
89, 127, 226

Tritanomaly
69, 117, 188

Monochromacy



Original Color
87, 126, 226

Achromatopsia
135, 135, 135

Achromatomaly
118, 132, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 126, 226 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(87, 141, 226)` looks like.

```
.text, #text, p{  
    color:rgb(87, 141, 226)  
}
```

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(87, 141, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 141, 226) }
```

Border

The CSS property to change the border of an element to RYB 87, 126, 226 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(87, 141, 226) }
```

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

```
.border{ border-color:rgb(87, 141, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 141, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 141, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 141, 226);  
box-shadow:4px 4px 4px 4px rgb(87, 141,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 87, 126, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 141, 226) }
```

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

```
.background{ background-color: rgb(87, 141,  
226) }
```

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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