Converting Colors

RYB(87, 119, 240)

Have a look what the booklet for RYB(87, 119, 240) contains.

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Color

RYB(87, 119, 240)

Conversions

Conversions Part 1

Format	Color
Hex	577FF0
RGB	87, 127, 240
RGB Percent	34%, 50%, 94%
CMY	0.6588, 0.5001, 0.0588
CMYK	0.64, 0.47, 0.00, 0.06
HSL	224°, 84%, 64%
HSV	224°, 64%, 94%
XYZ	27.3079, 23.6161, 85.5571
YIQ	127.9220, -60.1130, 26.6630

Conversions

Conversions Part 2

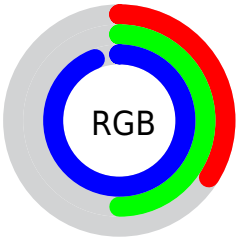
Format	Color
RYB	87, 119, 240
Decimal	5734384
CIELab	55.70, 20.87, -60.93
CIELCh	56, 64.409, 288.908
Yxy	23.6161, 0.2001, 0.1730
Android (android.graphics.Color)	4283924464 (0xFF577FF0)
YUV	127.9220, 55.2545, -35.8886
Hunter-Lab	48.5964, 15.2615, -70.3665

Details

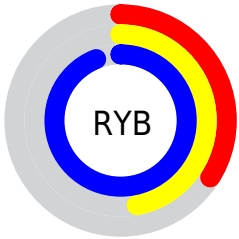
The RYB color 87, 119, 240 is a light color, and the websafe version is hex 3366CC. The color can be described as light muted azure. A complement of this color would be 141, 240, 87, and the grayscale version is 128, 128, 128.

A 20% lighter version of the original color is 150, 173, 255, and 0, 55, 183 is the 20% darker color. If you saturate the color by 10%, you get 63, 100, 240, and if you desaturate by 10%, it is 111, 138, 240.

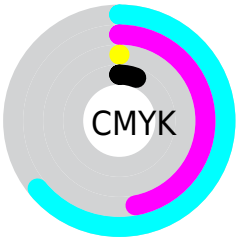
Distribution



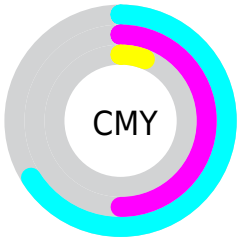
- Red (34%)
- Green (50%)
- Blue (94%)



- Red (34%)
- Yellow (47%)
- Blue (94%)



- Cyan (64%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)



- Cyan (66%)
- Magenta (50%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 119, 240 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, 119, 240 by changing the saturation by 10% instead.

87, 119, 240

255, 255, 255

150, 173, 255

180, 200, 255

210, 226, 255

241, 248, 255

87, 119, 240

50, 90, 211

0, 55, 183

0, 42, 156

0, 29, 129

0, 15, 103

0, 7, 78

0, 5, 54

0, 2, 32

0, 0, 4

87, 119, 240

63, 100, 240

39, 81, 240

15, 62, 240

0, 50, 240

87, 119, 240

111, 138, 240

135, 157, 240

159, 176, 240

183, 195, 240

207, 214, 240

231, 233, 240

245, 255, 240

240, 255, 240

Harmonies

Analogous

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

0, 91, 244

87, 119, 240

179, 102, 208

Triad

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

87, 119, 240

215, 121, 49

0, 93, 158

Complementary

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

87, 119, 240

141, 240, 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.

53, 151, 152

87, 119, 240

78, 177, 0

Square

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

87, 119, 240

233, 78, 101

0, 141, 15

0, 82, 168

Rectangle

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

87, 119, 240

212, 85, 175

0, 141, 15

0, 99, 157

Sweetspot

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

87, 119, 240

207, 217, 255

87, 175, 240

98, 104, 128

0, 0, 0

128, 128, 128

Same Dimension

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

87, 119, 240

59, 100, 255

123, 87, 240

108, 110, 120

0, 39, 184

0, 12, 56

Inverse Universe

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

240, 87, 127

255, 59, 111

87, 240, 123

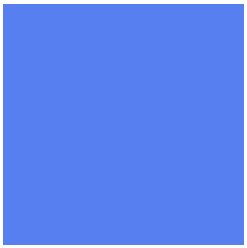
120, 108, 111

184, 0, 49

56, 0, 15

Previews

White Background

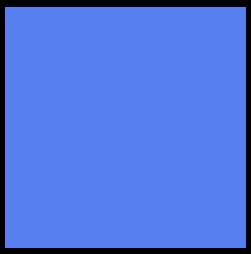


This preview shows how the RYB color 87, 119, 240 looks on a white background.

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



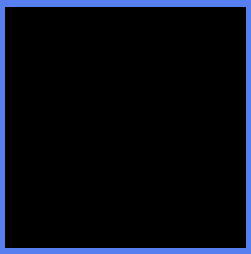
This preview shows how the RYB color 87, 119, 240 looks on a black background.

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, 119, 240 Background



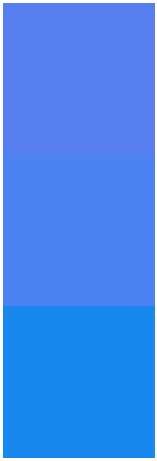
This preview shows how black text looks on a background with the RYB color 87, 119, 240.

This preview shows how white text looks on a background with the RYB color 87, 119, 240.

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



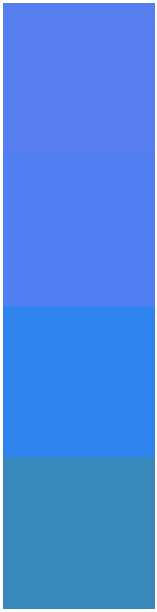
Original Color
87, 119, 240

Protanopia
77, 117, 242

Deuteranopia
24, 97, 238

Tritanopia
40, 96, 158

Trichromacy



Original Color
87, 119, 240

Protanomaly
81, 117, 241

Deuteranomaly
47, 106, 239

Tritanomaly
57, 107, 188

Monochromacy

Original Color
87, 119, 240

Achromatopsia
128, 128, 128

Achromatomaly
113, 125, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 119, 240 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, 127, 240) looks like.

```
.text, #text, p{
    color:rgb(87, 127, 240)
}
```

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, 127, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 127, 240) }
```

Border

The CSS property to change the border of an element to RYB 87, 119, 240 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, 127, 240) }
```

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

```
.border{ border-color:rgb(87, 127, 240) }
```

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

Here you see how a box with a 4 pixel rgb(87, 127, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 127, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 127, 240); box-shadow:4px 4px 4px 4px rgb(87, 127, 240) }
```

Background

The CSS property to change the background color of an element to RYB 87, 119, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(87, 127, 240) }
```

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

```
.background{ background-color:rgb(87, 127,
240) }
```

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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