

Converting Colors

`RYB(87, 132, 241)`

Have a look what the booklet for
RYB(87, 132, 241) contains.

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Color

$\text{RYB}(87, 132, 241)$

Conversions

Conversions Part 1

Format	Color
Hex	5797F1
RGB	87, 151, 241
RGB Percent	34%, 59%, 95%
CMY	0.6588, 0.4095, 0.0549
CMYK	0.64, 0.38, 0.00, 0.05
HSL	215°, 85%, 64%
HSV	215°, 64%, 95%
XYZ	30.8065, 30.3747, 87.4583
YIQ	142.1240, -67.0340, 14.4220

Conversions

Conversions Part 2

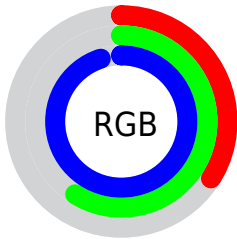
Format	Color
RYB	87, 132, 241
Decimal	5740529
CIELab	61.98, 7.35, -51.47
CIELCh	62, 51.994, 278.129
Yxy	30.3747, 0.2073, 0.2044
Android (android.graphics.Color)	4283930609 (0xFF5797F1)
YUV	142.1240, 48.7459, -48.3437
Hunter-Lab	55.1133, 3.3273, -55.5070

Details

The RYB color **87, 132, 241** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **197, 241, 87**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **149, 186, 255**, and **0, 65, 184** is the 20% darker color. If you saturate the color by 10%, you get **63, 115, 241**, and if you desaturate by 10%, it is **111, 149, 241**.

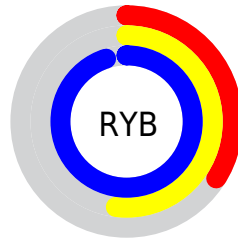
Distribution



Red (34%)

Green (59%)

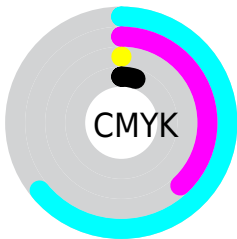
Blue (95%)



Red (34%)

Yellow (52%)

Blue (95%)

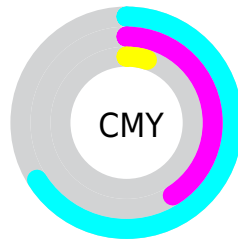


Cyan (64%)

Magenta (38%)

Yellow (0%)

Black (5%)



Cyan (66%)


Magenta (41%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 132, 241 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, 132, 241 by changing the saturation by 10% instead.

 87, 132, 241


255, 255, 255


 149, 185, 255

 179, 210, 255

 210, 233, 255

 240, 248, 255

 87, 132, 241


 51, 102, 212

 0, 65, 184

 0, 52, 157

 0, 39, 130

 0, 26, 105

 0, 10, 80

 0, 5, 56

 0, 2, 34

 0, 0, 8

■ 87, 132, 241

■ 87, 132, 241

■ 63, 115, 241

■ 111, 149, 241

■ 39, 98, 241

■ 135, 166, 241

■ 15, 81, 241

■ 159, 183, 241

■ 0, 70, 241

■ 183, 200, 241

■ 207, 217, 241

■ 232, 234, 241

■ 249, 255, 241

■ 241, 255, 241

Harmonies

Analogous

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



0, 97, 235



87, 132, 241



169, 132, 223

Triad

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



87, 132, 241



229, 123, 95



36, 121, 170

Complementary

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



87, 132, 241



197, 241, 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.



74, 163, 123



87, 132, 241



195, 203, 63

Square

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



87, 132, 241



235, 109, 139



68, 164, 53



0, 90, 173

Rectangle

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



87, 132, 241



203, 120, 199



68, 164, 53



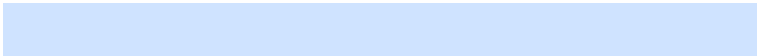
71, 146, 168

Sweetspot

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



87, 132, 241



207, 221, 255



87, 184, 241



98, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 132, 241



59, 116, 255



100, 87, 241



108, 112, 120



0, 54, 184



0, 16, 56

Inverse Universe

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



241, 87, 151



255, 59, 140



87, 241, 100



120, 108, 113



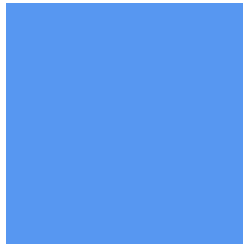
184, 0, 76



56, 0, 23

Previews

White Background



This preview shows how the RYB color 87, 132, 241 looks on a white background.

Color Contrast Check

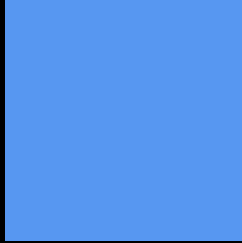
Large Text (above 18pt) WCAG AA × Fail

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 87, 132, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

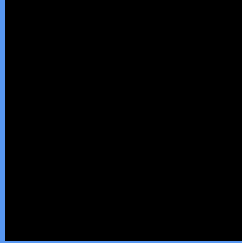
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

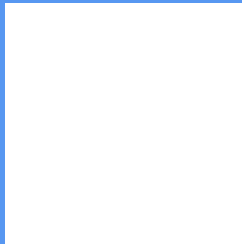
Any Text WCAG AAA ✓ Pass

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

RYB 87, 132, 241 Background



This preview shows how black text looks on a background with the RYB color 87, 132, 241.

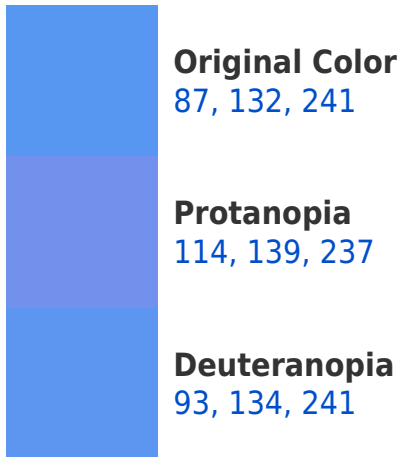


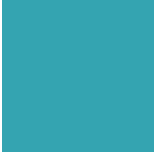
This preview shows how white text looks on a background with the RYB color 87, 132, 241.

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
52, 111, 177

Trichromacy



Original Color

87, 132, 241

Protanomaly

104, 137, 238

Deuteranomaly

91, 133, 241

Tritanomaly

65, 120, 200

Monochromacy



Original Color

87, 132, 241

Achromatopsia

142, 142, 142

Achromatomaly

122, 138, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 132, 241 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, 151, 241)` looks like.

```
.text, #text, p{  
    color:rgb(87, 151, 241)  
}
```

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, 151, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 151, 241) }
```

Border

The CSS property to change the border of an element to RYB 87, 132, 241 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, 151, 241) }
```

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

```
.border{ border-color:rgb(87, 151, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 151, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 151, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 151, 241);  
box-shadow:4px 4px 4px 4px rgb(87, 151,  
241) }
```

Background

The CSS property to change the background color of an element to RGB 87, 132, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 151, 241) }
```

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

```
.background{ background-color: rgb(87, 151,  
241) }
```

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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