

# Converting Colors

`RYB(97, 129, 241)`

Have a look what the booklet for RYB(97, 129, 241) contains.

<b>RYB(97, 129, 241)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(97, 129, 241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	618AF1
RGB	97, 138, 241
RGB Percent	38%, 54%, 95%
CMY	0.6196, 0.4583, 0.0549
CMYK	0.60, 0.43, 0.00, 0.05
HSL	223°, 84%, 66%
HSV	223°, 60%, 95%
XYZ	29.9159, 27.1102, 86.8751
YIQ	137.4830, -57.4990, 23.3410

# Conversions

## Conversions Part 2

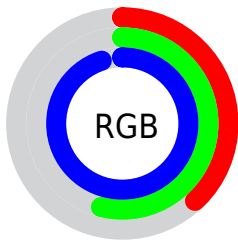
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 129, 241
Decimal	6392561
CIE Lab	59.08, 16.51, -56.06
CIE LCh	59, 58.438, 286.411
Yxy	27.1102, 0.2079, 0.1884
Android (android.graphics.Color)	4284582641 (0xFF618AF1)
YUV	137.4830, 51.0339, -35.5036
Hunter-Lab	52.0675, 11.4410, -62.4787

# Details

The RYB color **97, 129, 241** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **154, 241, 97**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **158, 183, 255**, and **16, 67, 184** is the 20% darker color. If you saturate the color by 10%, you get **73, 110, 241**, and if you desaturate by 10%, it is **121, 147, 241**.

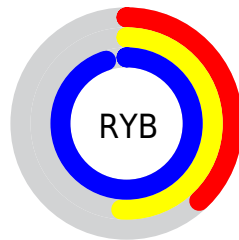
# Distribution



Red (38%)

Green (54%)

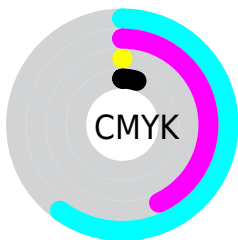
Blue (95%)



Red (38%)

Yellow (51%)

Blue (95%)

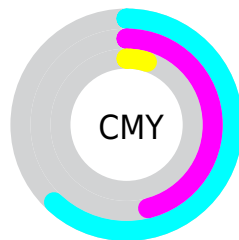


Cyan (60%)

Magenta (43%)

Yellow (0%)

Black (5%)



Cyan (62%)

Magenta (46%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 97, 129, 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 97, 129, 241 by changing the saturation by 10% instead.



 97, 129, 241


255, 255, 255


 158, 183, 255

 188, 209, 255

 218, 234, 255

 248, 252, 255

 97, 129, 241

 64, 101, 212

 16, 67, 184

 0, 46, 157

 0, 33, 130

 0, 21, 104

 0, 1, 80

 0, 5, 56

 0, 2, 33

 0, 0, 7

■ 97, 129, 241

■ 97, 129, 241

■ 73, 110, 241

■ 121, 147, 241

■ 49, 92, 241

■ 145, 167, 241

■ 25, 73, 241

■ 169, 185, 241

■ 1, 54, 241

■ 193, 204, 241

■ 0, 54, 241

■ 217, 222, 241

■ 242, 241, 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, 94, 242



97, 129, 241



180, 116, 214

# Triad

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



97, 129, 241



221, 125, 69



0, 97, 165

# Complementary

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



97, 129, 241



154, 241, 97

# 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.



67, 159, 144



97, 129, 241



124, 188, 34

# Square

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



97, 129, 241



235, 95, 116



31, 148, 37



0, 84, 170

# Rectangle

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



97, 129, 241



213, 102, 184



31, 148, 37



0, 102, 164



# Sweetspot

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



97, 129, 241



209, 219, 255



97, 182, 241



99, 105, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



97, 129, 241



71, 112, 255



126, 97, 241



108, 110, 120



0, 41, 184



0, 12, 56



# Inverse Universe

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



241, 97, 138



255, 71, 124



97, 241, 126



120, 108, 111



184, 0, 52



56, 0, 16



# Previews

## White Background



This preview shows how the RYB color 97, 129, 241 looks on a white background.

## Color Contrast Check

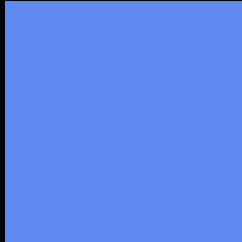
Large Text (above 18pt) WCAG AA ✓ Pass

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 97, 129, 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 × Fail

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



## **R Y B 97, 129, 241 Background**



This preview shows how black text looks on a background with the RYB color 97, 129, 241.

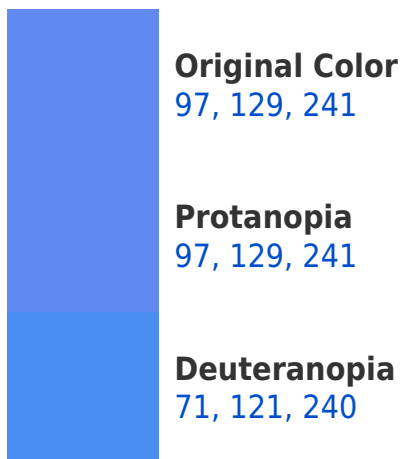


This preview shows how white text looks on a background with the RYB color 97, 129, 241.

# 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

64, 112, 167

# Trichromacy



**Original Color**

97, 129, 241

**Protanomaly**

97, 129, 241

**Deuteranomaly**

80, 124, 240

**Tritanomaly**

76, 121, 194

# Monochromacy



**Original Color**

97, 129, 241

**Achromatopsia**

138, 138, 138

**Achromatomaly**

123, 135, 175

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 97, 129, 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(97, 138, 241)` looks like.

```
.text, #text, p{  
    color:rgb(97, 138, 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(97, 138, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 138, 241) }
```

## Border

The CSS property to change the border of an element to RYB 97, 129, 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(97, 138, 241) }
```

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

```
.border{ border-color:rgb(97, 138, 241) }
```

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

Here you see how a box with a 4 pixel rgb(97, 138, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 138, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 138, 241);  
box-shadow:4px 4px 4px 4px rgb(97, 138,  
241) }
```

# Background

The CSS property to change the background color of an element to RGB 97, 129, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 138, 241) }
```

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

```
.background{ background-color: rgb(97, 138,  
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](#).



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