

Converting Colors

`RYB(118, 118, 240)`

Have a look what the booklet for
RYB(118, 118, 240) contains.

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Color

$\text{RYB}(118, 118, 240)$

Conversions

Conversions Part 1

Format	Color
Hex	7676F0
RGB	118, 118, 240
RGB Percent	46%, 46%, 94%
CMY	0.5373, 0.5373, 0.0588
CMYK	0.51, 0.51, 0.00, 0.06
HSL	240°, 80%, 70%
HSV	240°, 51%, 94%
XYZ	29.6778, 23.0997, 85.3326
YIQ	131.9080, -39.1620, 37.9420

Conversions

Conversions Part 2

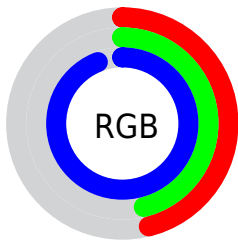
Format	Color
R _Y B	118, 118, 240
Decimal	7763696
CIE Lab	55.17, 32.42, -61.68
CIE LCh	55, 69.681, 297.728
Yxy	23.0997, 0.2149, 0.1673
Android (android.graphics.Color)	4285953776 (0xFF7676F0)
YUV	131.9080, 53.2894, -12.1973
Hunter-Lab	48.0621, 26.1130, -71.6237

Details

The RYB color **118, 118, 240** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **118, 240, 118**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **177, 170, 255**, and **55, 68, 183** is the 20% darker color. If you saturate the color by 10%, you get **94, 94, 240**, and if you desaturate by 10%, it is **142, 142, 240**.

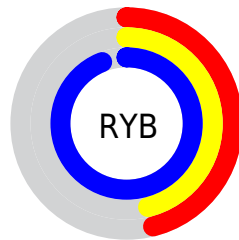
Distribution



Red (46%)

Green (46%)

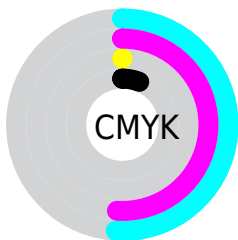
Blue (94%)



Red (46%)

Yellow (46%)

Blue (94%)

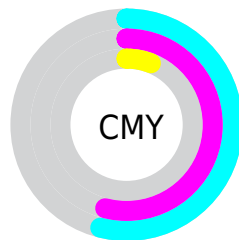


Cyan (51%)

Magenta (51%)

Yellow (0%)

Black (6%)



Cyan (54%)

Magenta (54%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the RYB color 118, 118, 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 118, 118, 240 by changing the saturation by 10% instead.

 118, 118, 240

255, 255, 255

 177, 170, 255

 207, 197, 255

 237, 225, 255

255, 254, 255

 118, 118, 240

 88, 93, 211

 55, 68, 183

 2, 37, 156

 0, 22, 129

 0, 7, 103

 0, 1, 78

 0, 5, 54

 0, 2, 32

 0, 0, 4


 118, 118, 240

 118, 118, 240


 94, 94, 240

 142, 142, 240

 70, 70, 240


 166, 166, 240

 46, 46, 240

 190, 190, 240

 22, 22, 240

 214, 214, 240

 0, 0, 240

 238, 238, 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, 254



118, 118, 240



199, 87, 198

Triad

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



118, 118, 240



208, 167, 21



0, 89, 159

Complementary

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



118, 118, 240



118, 240, 118

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.



0, 109, 154



118, 118, 240



45, 163, 0

Square

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



118, 118, 240



235, 74, 80



0, 145, 41



0, 86, 187

Rectangle

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



118, 118, 240



227, 69, 160



0, 145, 41



0, 95, 158

Sweetspot

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



118, 118, 240



217, 217, 255



118, 179, 240



105, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 118, 240



99, 99, 255



179, 118, 240



108, 108, 120



0, 0, 184



0, 0, 56

Inverse Universe

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



240, 118, 240



255, 99, 255



118, 240, 179



120, 108, 120



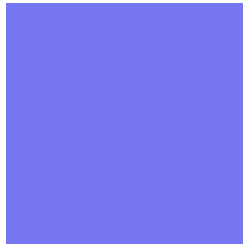
184, 0, 184



56, 0, 56

Previews

White Background



This preview shows how the RYB color 118, 118, 240 looks on a white background.

Color Contrast Check

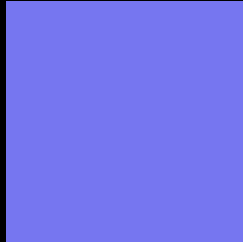
Large Text (above 18pt) WCAG AA ✓ Pass

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 118, 118, 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](#).

R Y B 118, 118, 240 Background



This preview shows how black text looks on a background with the RYB color 118, 118, 240.

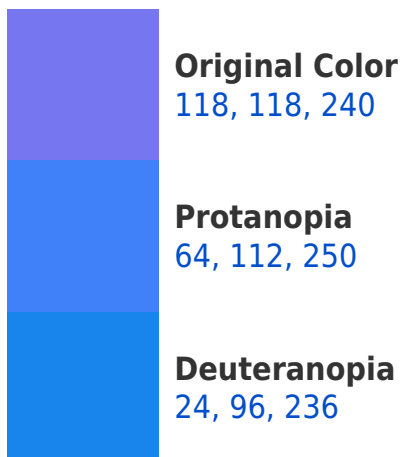


This preview shows how white text looks on a background with the RYB color 118, 118, 240.

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](#).

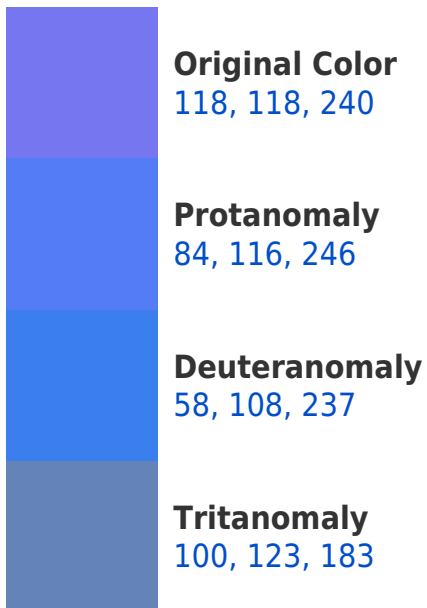
Dichromacy



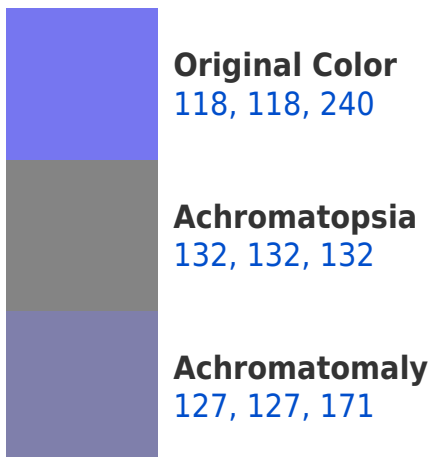


Tritanopia
90, 117, 151

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 118, 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(118, 118, 240)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 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(118, 118, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 240) }
```

Border

The CSS property to change the border of an element to RYB 118, 118, 240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

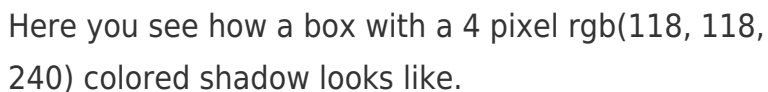
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 118, 240) }
```

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

```
.border{ border-color:rgb(118, 118, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 118, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 118, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 118, 240); box-shadow:4px 4px 4px 4px rgb(118, 118, 240) }
```

Background

The CSS property to change the background color of an element to RYB 118, 118, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 240) }
```

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

```
.background{ background-color: rgb(118,  
118, 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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