

Converting Colors

`RYB(118, 118, 244)`

Have a look what the booklet for
RYB(118, 118, 244) contains.

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Color

R_YB(118, 118, 244)

Conversions

Conversions Part 1

Format	Color
Hex	7676F4
RGB	118, 118, 244
RGB Percent	46%, 46%, 96%
CMY	0.5373, 0.5373, 0.0431
CMYK	0.52, 0.52, 0.00, 0.04
HSL	240°, 85%, 71%
HSV	240°, 52%, 96%
XYZ	30.2788, 23.3401, 88.4972
YIQ	132.3640, -40.4460, 39.1860

Conversions

Conversions Part 2

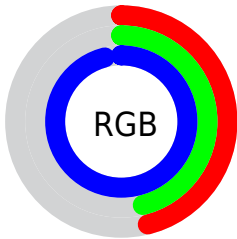
Format	Color
R _Y B	118, 118, 244
Decimal	7763700
CIE Lab	55.42, 33.63, -63.51
CIE LCh	55, 71.864, 297.907
Yxy	23.3401, 0.2131, 0.1642
Android (android.graphics.Color)	4285953780 (0xFF7676F4)
YUV	132.3640, 55.0365, -12.5972
Hunter-Lab	48.3116, 27.3278, -74.7894

Details

The RYB color **118, 118, 244** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **118, 244, 118**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **177, 170, 255**, and **54, 68, 187** is the 20% darker color. If you saturate the color by 10%, you get **94, 94, 244**, and if you desaturate by 10%, it is **142, 142, 244**.

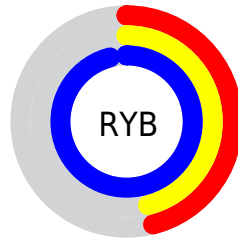
Distribution



Red (46%)

Green (46%)

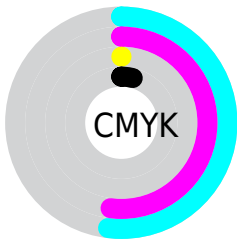
Blue (96%)



Red (46%)

Yellow (46%)

Blue (96%)

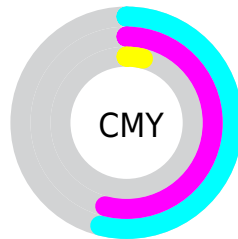


Cyan (52%)

Magenta (52%)

Yellow (0%)

Black (4%)



Cyan (54%)

Magenta (54%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the RYB color 118, 118, 244 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, 244 by changing the saturation by 10% instead.

 118, 118, 244

255, 255, 255

 177, 170, 255

 207, 197, 255

 237, 226, 255

255, 254, 255

 118, 118, 244

 88, 93, 215

 54, 68, 187

 0, 36, 159

 0, 22, 132


 0, 7, 106

 0, 0, 81

 0, 5, 57

 0, 2, 35

 0, 0, 9


 118, 118, 244

 118, 118, 244


 94, 94, 244

 142, 142, 244

 69, 69, 244

 167, 167, 244

 45, 45, 244

 191, 191, 244

 20, 20, 244

 216, 216, 244

 0, 0, 244

 240, 240, 244

 244, 255, 244

Harmonies

Analogous

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



0, 91, 255



118, 118, 244



202, 86, 200

Triad

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



118, 118, 244



210, 172, 15



0, 90, 160

Complementary

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



118, 118, 244



118, 244, 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, 112, 156



118, 118, 244



44, 164, 0

Square

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



118, 118, 244



238, 72, 79



0, 146, 43



0, 87, 190

Rectangle

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



118, 118, 244



230, 66, 161



0, 146, 43



0, 96, 159

Sweetspot

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



118, 118, 244



217, 217, 255



118, 181, 244



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, 244



97, 97, 255



181, 118, 244



110, 110, 122



0, 0, 186



0, 0, 59

Inverse Universe

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



244, 118, 244



255, 97, 255



118, 244, 181



122, 110, 122



186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 118, 118, 244 looks on a white background.

Color Contrast Check

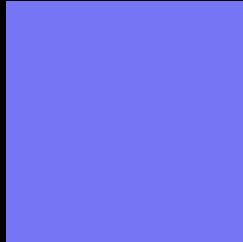
Large Text (above 18pt) WCAG AA ✓ Pass

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, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

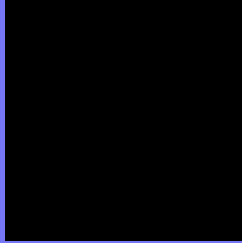
Any Text WCAG AA ✓ Pass

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_YB 118, 118, 244 Background



This preview shows how black text looks on a background with the R_YB color 118, 118, 244.



This preview shows how white text looks on a background with the R_YB color 118, 118, 244.

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
88, 117, 152

Trichromacy



Original Color
118, 118, 244

Protanomaly
80, 115, 251

Deuteranomaly
43, 103, 241

Tritanomaly
99, 123, 185

Monochromacy



Original Color
118, 118, 244

Achromatopsia
132, 132, 132

Achromatomaly
127, 127, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 118, 244 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 244) }
```

Border

The CSS property to change the border of an element to RYB 118, 118, 244 is called "border". The border property can be set on classes, ids or directly on the HTML element.

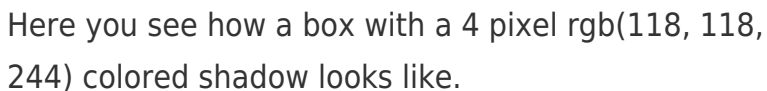
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 118, 244) }
```

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

```
.border{ border-color:rgb(118, 118, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 244);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
244) }
```

Background

The CSS property to change the background color of an element to RYB 118, 118, 244 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, 244) }
```

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

```
.background{ background-color: rgb(118,  
118, 244) }
```

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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