

Converting Colors

`RYB(118, 118, 227)`

Have a look what the booklet for
RYB(118, 118, 227) contains.

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Color

R_YB(118, 118, 227)

Conversions

Conversions Part 1

Format	Color
Hex	7676E3
RGB	118, 118, 227
RGB Percent	46%, 46%, 89%
CMY	0.5373, 0.5373, 0.1098
CMYK	0.48, 0.48, 0.00, 0.11
HSL	240°, 66%, 68%
HSV	240°, 48%, 89%
XYZ	27.8148, 22.3545, 75.5219
YIQ	130.4260, -34.9890, 33.8990

Conversions

Conversions Part 2

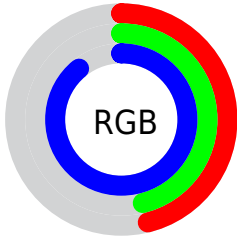
Format	Color
R _Y B	118, 118, 227
Decimal	7763683
CIE Lab	54.40, 28.50, -55.66
CIE LCh	54, 62.532, 297.119
Yxy	22.3545, 0.2213, 0.1779
Android (android.graphics.Color)	4285953763 (0xFF7676E3)
YUV	130.4260, 47.6110, -10.8976
Hunter-Lab	47.2805, 22.2693, -61.6085

Details

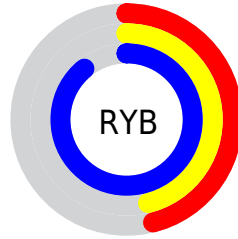
The RYB color **118, 118, 227** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **118, 227, 118**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **176, 170, 255**, and **59, 69, 171** is the 20% darker color. If you saturate the color by 10%, you get **95, 95, 227**, and if you desaturate by 10%, it is **141, 141, 227**.

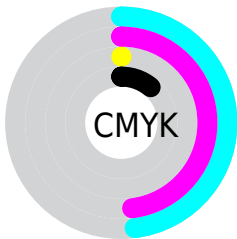
Distribution



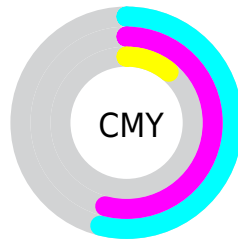
- Red (46%)
- Green (46%)
- Blue (89%)



- Red (46%)
- Yellow (46%)
- Blue (89%)



- Cyan (48%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)



- Cyan (54%)
- Magenta (54%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 118, 227 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, 227 by changing the saturation by 10% instead.

 118, 118, 227


255, 255, 255

 176, 170, 255

 205, 197, 255

 234, 225, 255

255, 254, 255

 118, 118, 227

 89, 93, 199

 59, 69, 171

 19, 43, 144

 0, 22, 118

 0, 6, 92

 0, 4, 68

 0, 3, 45


 0, 1, 23

 0, 0, 0

 118, 118, 227

 118, 118, 227

 95, 95, 227

 141, 141, 227

 73, 73, 227

 163, 163, 227

 50, 50, 227


 186, 186, 227

 27, 27, 227

 209, 209, 227

 5, 5, 227

 227, 232, 227

 0, 0, 227

 227, 254, 227

 227, 255, 227

Harmonies

Analogous

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



0, 87, 239



118, 118, 227



190, 92, 190

Triad

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



118, 118, 227



200, 152, 36



0, 86, 155

Complementary

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



118, 118, 227



118, 227, 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.



1, 104, 150



118, 118, 227



43, 160, 0

Square

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



118, 118, 227



224, 81, 84



13, 141, 46



0, 83, 178

Rectangle

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



118, 118, 227



215, 78, 156



13, 141, 46



0, 92, 154

Sweetspot

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



118, 118, 227



219, 219, 255



118, 173, 227



106, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



118, 118, 227



107, 107, 255



172, 118, 227



103, 103, 115



0, 0, 179



0, 0, 51

Inverse Universe

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



227, 118, 227



255, 107, 255



118, 227, 173



115, 103, 115



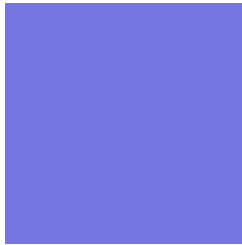
179, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 118, 118, 227 looks on a white background.

Color Contrast Check

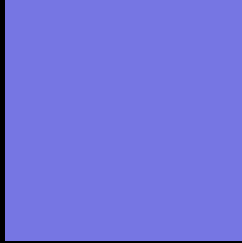
Large Text (above 18pt) WCAG AA ✓ Pass

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, 227 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 118, 118, 227 Background



This preview shows how black text looks on a background with the RYB color 118, 118, 227.

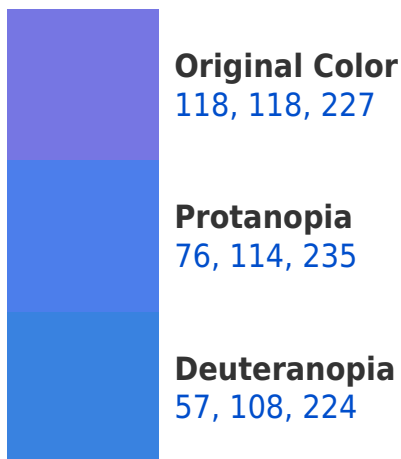


This preview shows how white text looks on a background with the RYB color 118, 118, 227.

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
95, 118, 148

Trichromacy



Original Color
118, 118, 227

Protanomaly
91, 117, 232

Deuteranomaly
79, 115, 225

Tritanomaly
103, 123, 177

Monochromacy



Original Color
118, 118, 227

Achromatopsia
130, 130, 130

Achromatomaly
126, 126, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 118, 227 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 227) }
```

Border

The CSS property to change the border of an element to RYB 118, 118, 227 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, 227) }
```

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

```
.border{ border-color:rgb(118, 118, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 227);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 118, 118, 227 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, 227) }
```

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

```
.background{ background-color: rgb(118,  
118, 227) }
```

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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