

Converting Colors

`RYB(119, 112, 210)`

Have a look what the booklet for
RYB(119, 112, 210) contains.

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Color

R_YB(119, 112, 210)

Conversions

Conversions Part 1

Format	Color
Hex	7770D2
RGB	119, 112, 210
RGB Percent	47%, 44%, 82%
CMY	0.5333, 0.5608, 0.1765
CMYK	0.43, 0.47, 0.00, 0.18
HSL	244°, 52%, 63%
HSV	244°, 47%, 82%
XYZ	25.0348, 20.1634, 63.5452
YIQ	125.2650, -27.2860, 31.9620

Conversions

Conversions Part 2

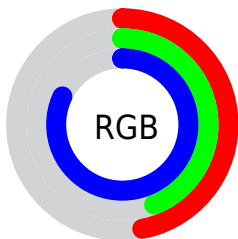
Format	Color
RYB	119, 112, 210
Decimal	7827666
CIELab	52.02, 27.31, -49.86
CIELCh	52, 56.848, 298.713
Yxy	20.1634, 0.2302, 0.1854
Android (android.graphics.Color)	4286017746 (0xFF7770D2)
YUV	125.2650, 41.7744, -5.4944
Hunter-Lab	44.9037, 20.9361, -52.4713

Details

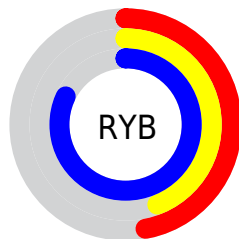
The RYB color **119, 112, 210** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **112, 210, 119**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **175, 164, 255**, and **63, 64, 155** is the 20% darker color. If you saturate the color by 10%, you get **99, 91, 210**, and if you desaturate by 10%, it is **138, 133, 210**.

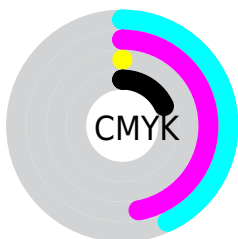
Distribution



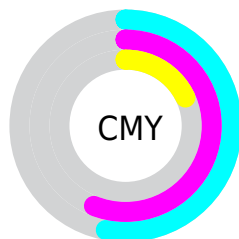
- Red (47%)
- Green (44%)
- Blue (82%)



- Red (47%)
- Yellow (44%)
- Blue (82%)



- Cyan (43%)
- Magenta (47%)
- Yellow (0%)
- Black (18%)



- Cyan (53%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 112, 210 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 119, 112, 210 by changing the saturation by 10% instead.

 119, 112, 210


255, 255, 255


 175, 164, 255

 204, 191, 255

 233, 219, 255


 255, 247, 255

 119, 112, 210

 91, 88, 182

 63, 64, 155

 31, 41, 128

 0, 18, 103

 0, 0, 78

 0, 5, 54

 0, 2, 32


 0, 0, 4

 0, 0, 0

 119, 112, 210

 119, 112, 210


 99, 91, 210


 138, 133, 210

 80, 70, 210


 158, 154, 210

 60, 49, 210

 178, 175, 210


 41, 28, 210

 197, 196, 210

 21, 7, 210

 210, 217, 210

 15, 0, 210

 210, 238, 212

 210, 255, 210

Harmonies

Analogous

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



0, 82, 222



119, 112, 210



180, 90, 175

Triad

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



119, 112, 210



187, 150, 38



0, 81, 147

Complementary

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



119, 112, 210



112, 210, 119

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.



15, 104, 143



119, 112, 210



41, 150, 5

Square

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



119, 112, 210



209, 82, 80



27, 135, 60



0, 79, 170

Rectangle

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



119, 112, 210



202, 78, 145



27, 135, 60



0, 86, 146

Sweetspot

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



119, 112, 210



222, 219, 255



112, 159, 210



107, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 112, 210



122, 112, 255



168, 112, 210



95, 94, 105



12, 0, 168



3, 0, 41

Inverse Universe

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



210, 112, 203



255, 112, 245



112, 210, 168



105, 94, 104



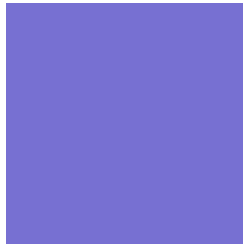
168, 0, 156



41, 0, 38

Previews

White Background



This preview shows how the RYB color 119, 112, 210 looks on a white background.

Color Contrast Check

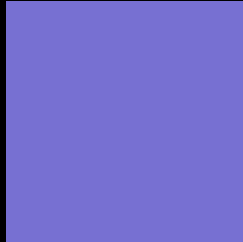
Large Text (above 18pt) WCAG AA ✓ Pass

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 119, 112, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

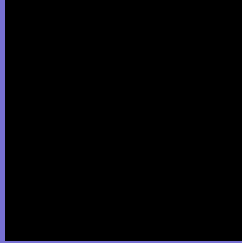
Any Text WCAG AA ✓ Pass

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 119, 112, 210 Background



This preview shows how black text looks on a background with the RYB color 119, 112, 210.

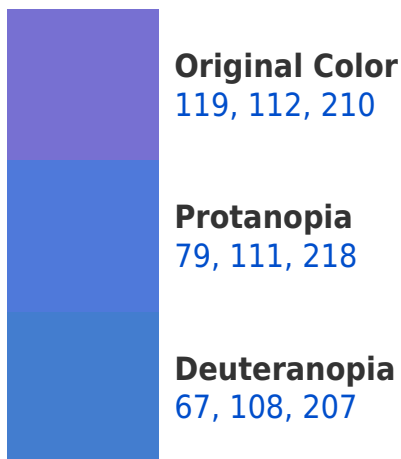


This preview shows how white text looks on a background with the RYB color 119, 112, 210.

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
101, 117, 139

Trichromacy



Original Color
119, 112, 210

Protanomaly
94, 114, 215

Deuteranomaly
86, 113, 208

Tritanomaly
108, 119, 165

Monochromacy



Original Color
119, 112, 210

Achromatopsia
125, 125, 125

Achromatomaly
123, 120, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 112, 210 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(119, 112, 210)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 210)  
}
```

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(119, 112, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 210) }
```

Border

The CSS property to change the border of an element to RYB 119, 112, 210 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(119, 112, 210) }
```

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

```
.border{ border-color:rgb(119, 112, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 112, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 210);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 119, 112, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 210) }
```

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

```
.background{ background-color: rgb(119,  
112, 210) }
```

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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