

Converting Colors

`RYB(122, 112, 214)`

Have a look what the booklet for
RYB(122, 112, 214) contains.

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Color

R_YB(122, 112, 214)

Conversions

Conversions Part 1

Format	Color
Hex	7A70D6
RGB	122, 112, 214
RGB Percent	48%, 44%, 84%
CMY	0.5216, 0.5608, 0.1608
CMYK	0.43, 0.48, 0.00, 0.16
HSL	246°, 55%, 64%
HSV	246°, 48%, 84%
XYZ	25.9578, 20.5810, 66.2227
YIQ	126.6180, -26.7820, 33.8420

Conversions

Conversions Part 2

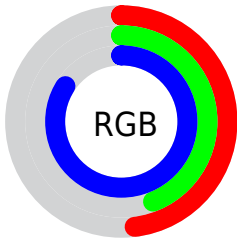
Format	Color
R _Y B	122, 112, 214
Decimal	8024278
CIE Lab	52.49, 29.19, -51.37
CIE LCh	52, 59.085, 299.610
Yxy	20.5810, 0.2302, 0.1825
Android (android.graphics.Color)	4286214358 (0xFF7A70D6)
YUV	126.6180, 43.0793, -4.0500
Hunter-Lab	45.3662, 22.7438, -54.7914

Details

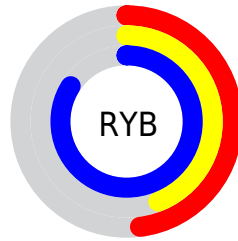
The RYB color **122, 112, 214** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **112, 214, 122**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **178, 164, 255**, and **66, 64, 159** is the 20% darker color. If you saturate the color by 10%, you get **103, 91, 214**, and if you desaturate by 10%, it is **141, 133, 214**.

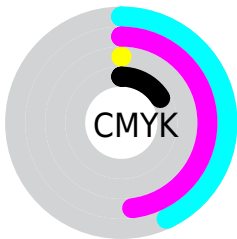
Distribution



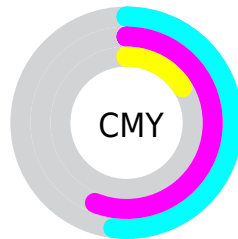
- Red (48%)
- Green (44%)
- Blue (84%)



- Red (48%)
- Yellow (44%)
- Blue (84%)



- Cyan (43%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)




- Cyan (52%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 112, 214 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 122, 112, 214 by changing the saturation by 10% instead.

 122, 112, 214


255, 255, 255


 178, 164, 255

 207, 191, 255

 237, 219, 255


 255, 247, 255

 122, 112, 214

 94, 87, 186

 66, 64, 159

 34, 41, 132

 0, 18, 106

 0, 0, 81

 0, 5, 57


 0, 2, 35


 0, 0, 10

 0, 0, 0


 122, 112, 214

 122, 112, 214


 103, 91, 214

 141, 133, 214

 83, 69, 214


 161, 155, 214

 64, 48, 214


 180, 176, 214

 45, 26, 214

 199, 198, 214

 25, 5, 214

 214, 219, 214

 21, 0, 214

 214, 240, 216

 214, 255, 214

Harmonies

Analogous

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



0, 83, 227



122, 112, 214



185, 88, 177

Triad

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



122, 112, 214



189, 158, 34



0, 81, 148

Complementary

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



122, 112, 214



112, 214, 122

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, 97, 145



122, 112, 214



33, 150, 0

Square

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



122, 112, 214



212, 82, 78



23, 137, 60



0, 80, 174

Rectangle

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



122, 112, 214



207, 76, 145



23, 137, 60



0, 87, 148

Sweetspot

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



122, 112, 214



223, 219, 255



112, 161, 214



108, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 112, 214



124, 110, 255



171, 112, 214



97, 96, 107



17, 0, 171



4, 0, 43

Inverse Universe

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



214, 112, 204



255, 110, 241



112, 214, 171



107, 96, 106



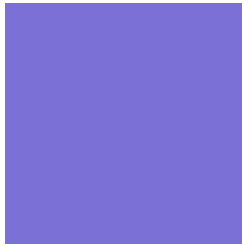
171, 0, 154



43, 0, 39

Previews

White Background



This preview shows how the RYB color 122, 112, 214 looks on a white background.

Color Contrast Check

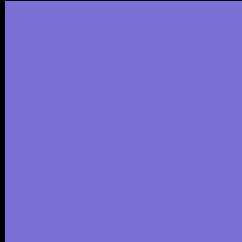
Large Text (above 18pt) WCAG AA ✓ Pass

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 122, 112, 214 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 122, 112, 214 Background



This preview shows how black text looks on a background with the RYB color 122, 112, 214.

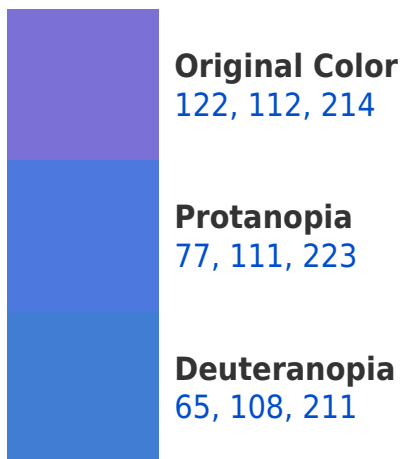



This preview shows how white text looks on a background with the RYB color 122, 112, 214.

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
103, 118, 140

Trichromacy



Original Color
122, 112, 214

Protanomaly
93, 114, 220

Deuteranomaly
86, 113, 212

Tritanomaly
110, 121, 167

Monochromacy



Original Color
122, 112, 214

Achromatopsia
127, 127, 127

Achromatomaly
125, 122, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 112, 214 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(122, 112, 214)` looks like.

```
.text, #text, p{  
    color:rgb(122, 112, 214)  
}
```

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(122, 112, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 112, 214) }
```

Border

The CSS property to change the border of an element to RYB 122, 112, 214 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(122, 112, 214) }
```

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

```
.border{ border-color:rgb(122, 112, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 112, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 112, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 112, 214);  
box-shadow:4px 4px 4px 4px rgb(122, 112,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 122, 112, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 112, 214) }
```

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

```
.background{ background-color: rgb(122,  
112, 214) }
```

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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