

Converting Colors

`RYB(112, 102, 255)`

Have a look what the booklet for
RYB(112, 102, 255) contains.

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Color

R_YB(112, 102, 255)

Conversions

Conversions Part 1

Format	Color
Hex	7066FF
RGB	112, 102, 255
RGB Percent	44%, 40%, 100%
CMY	0.5608, 0.6000, 0.0000
CMYK	0.56, 0.60, 0.00, 0.00
HSL	244°, 100%, 70%
HSV	244°, 60%, 100%
XYZ	29.4835, 20.1675, 96.9465
YIQ	122.4320, -43.1530, 49.7030

Conversions

Conversions Part 2

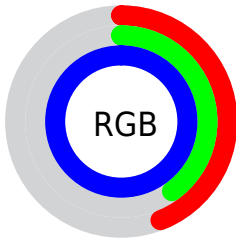
Format	Color
RYB	112, 102, 255
Decimal	7366399
CIELab	52.03, 45.25, -75.12
CIELCh	52, 87.697, 301.064
Yxy	20.1675, 0.2011, 0.1376
Android (android.graphics.Color)	4285556479 (0xFF7066FF)
YUV	122.4320, 65.3560, -9.1489
Hunter-Lab	44.9082, 38.6007, -96.5577

Details

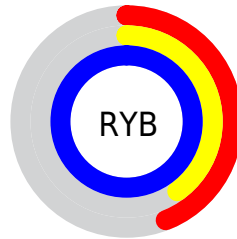
The RYB color **112, 102, 255** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **102, 255, 112**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **174, 154, 255**, and **38, 53, 197** is the 20% darker color. If you saturate the color by 10%, you get **88, 77, 255**, and if you desaturate by 10%, it is **136, 128, 255**.

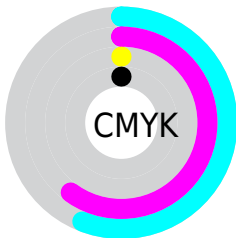
Distribution



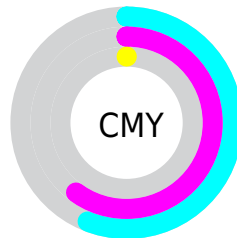
- Red (44%)
- Green (40%)
- Blue (100%)



- Red (44%)
- Yellow (40%)
- Blue (100%)



- Cyan (56%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 102, 255 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 112, 102, 255 by changing the saturation by 10% instead.

 112, 102, 255

 112, 102, 255

255, 255, 255

 79, 78, 226


 174, 154, 255

 38, 53, 197


 204, 181, 255

 0, 27, 169

 235, 208, 255

 0, 10, 142

 255, 237, 255

 0, 0, 115

 0, 5, 90

 0, 6, 65

 0, 3, 42

 0, 1, 20

■ 112, 102, 255

■ 112, 102, 255

■ 88, 77, 255

■ 136, 128, 255

■ 64, 51, 255

■ 160, 153, 255

■ 40, 25, 255

■ 183, 179, 255

■ 17, 0, 255

■ 207, 204, 255

■ 231, 230, 255

255, 255, 255

Harmonies

Analogous

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



0, 88, 255



112, 102, 255



212, 47, 198

Triad

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



112, 102, 255



206, 157, 0



0, 85, 154

Complementary

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



112, 102, 255



102, 255, 112

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, 117, 150



112, 102, 255



33, 149, 0

Square

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



112, 102, 255



243, 29, 52



0, 141, 71



0, 88, 201

Rectangle

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



112, 102, 255



242, 0, 150



0, 141, 71



0, 93, 153

Sweetspot

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



112, 102, 255



212, 209, 255



102, 176, 255



101, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 102, 255



83, 71, 255



186, 102, 255



116, 115, 128



12, 0, 191



4, 0, 64

Inverse Universe

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



255, 102, 245



255, 71, 243



102, 255, 186



128, 115, 127



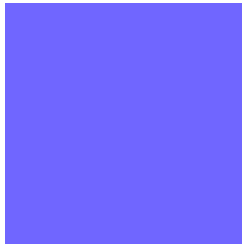
191, 0, 179



64, 0, 60

Previews

White Background



This preview shows how the RYB color 112, 102, 255 looks on a white background.

Color Contrast Check

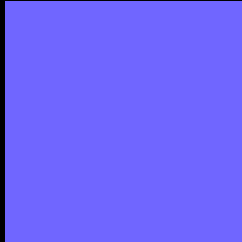
Large Text (above 18pt) WCAG AA ✓ Pass

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 112, 102, 255 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 112, 102, 255 Background



This preview shows how black text looks on a background with the RYB color 112, 102, 255.

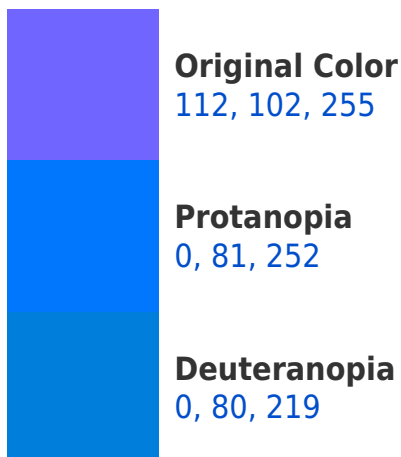


This preview shows how white text looks on a background with the RYB color 112, 102, 255.

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
70, 104, 144

Trichromacy



Original Color

112, 102, 255



Protanomaly

41, 95, 253



Deuteranomaly

41, 95, 232



Tritanomaly

85, 112, 184

Monochromacy



Original Color

112, 102, 255



Achromatopsia

122, 122, 122



Achromatomaly

118, 115, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 102, 255 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(112, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 102, 255)  
}
```

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(112, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 102, 255) }
```

Border

The CSS property to change the border of an element to RYB 112, 102, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

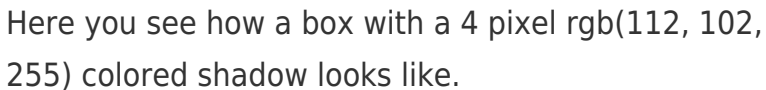
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 102, 255) }
```

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

```
.border{ border-color:rgb(112, 102, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 102,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 112, 102, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 102, 255) }
```

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

```
.background{ background-color: rgb(112,  
102, 255) }
```

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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