

# Converting Colors

`RYB(112, 94, 205)`

Have a look what the booklet for  
RYB(112, 94, 205) contains.

<b>RYB(112, 94, 205)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(112, 94, 205)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	705ECD
RGB	112, 94, 205
RGB Percent	44%, 37%, 80%
CMY	0.5608, 0.6314, 0.1961
CMYK	0.45, 0.54, 0.00, 0.20
HSL	250°, 53%, 59%
HSV	250°, 54%, 80%
XYZ	21.7042, 15.8579, 59.6746
YIQ	112.0360, -24.9030, 38.3370

# Conversions

## Conversions Part 2

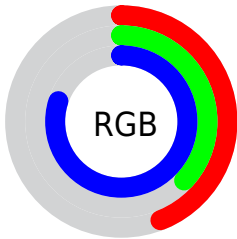
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 94, 205
Decimal	7364301
CIE <sub>Lab</sub>	46.79, 34.98, -55.42
CIE <sub>LCh</sub>	47, 65.532, 302.259
Yxy	15.8579, 0.2232, 0.1631
Android (android.graphics.Color)	4285554381 (0xFF705ECD)
YUV	112.0360, 45.8313, -0.0316
Hunter-Lab	39.8220, 27.5995, -60.9725

# Details

The RYB color **112, 94, 205** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **94, 205, 112**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **169, 145, 255**, and **54, 47, 150** is the 20% darker color. If you saturate the color by 10%, you get **95, 73, 205**, and if you desaturate by 10%, it is **129, 115, 205**.

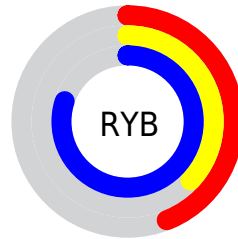
# Distribution



Red (44%)

Green (37%)

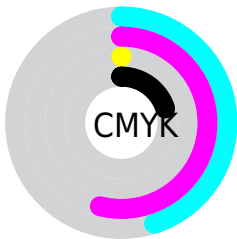
Blue (80%)



Red (44%)

Yellow (37%)

Blue (80%)

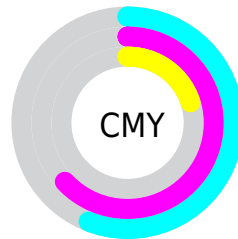


Cyan (45%)

Magenta (54%)

Yellow (0%)

Black (20%)



Cyan (56%)

Magenta (63%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 112, 94, 205 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, 94, 205 by changing the saturation by 10% instead.



 112, 94, 205

255, 255, 255

 169, 145, 255

 198, 172, 255

 227, 199, 255

 255, 227, 255

 112, 94, 205

 84, 70, 177

 54, 47, 150

 16, 24, 123

 0, 5, 98

 0, 0, 73

 0, 4, 50

 0, 1, 28

 0, 0, 0

 112, 94, 205

 112, 94, 205

■ 95, 73, 205

■ 129, 115, 205

■ 78, 53, 205

■ 146, 135, 205

■ 60, 32, 205

■ 164, 156, 205

■ 43, 12, 205

■ 181, 176, 205

■ 33, 0, 205

■ 198, 197, 205

■ 205, 217, 207

■ 205, 238, 211

■ 205, 255, 211

■ 205, 255, 205

# Harmonies

## Analogous

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



0, 77, 222



112, 94, 205



179, 64, 163

# Triad

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



112, 94, 205



167, 173, 0



0, 73, 135

# Complementary

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



112, 94, 205



94, 205, 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, 93, 132



112, 94, 205



25, 131, 0

# Square

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



112, 94, 205



201, 59, 56



0, 124, 50



0, 75, 169

# Rectangle

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



112, 94, 205



200, 47, 128



0, 124, 50



0, 79, 134



# Sweetspot

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



112, 94, 205



221, 214, 255



94, 145, 205



107, 103, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



112, 94, 205



116, 89, 255



166, 94, 205



93, 92, 102



27, 0, 166



6, 0, 38



# Inverse Universe

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



205, 94, 187



255, 89, 228



94, 205, 166



102, 92, 100



166, 0, 139

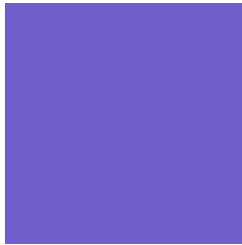


38, 0, 32



# Previews

## White Background



This preview shows how the RYB color 112, 94, 205 looks on a white 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

# Black Background



This preview shows how the RYB color 112, 94, 205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

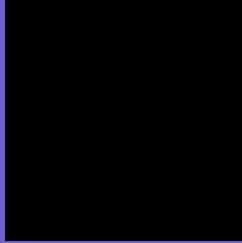
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 112, 94, 205 Background**



This preview shows how black text looks on a background with the RYB color 112, 94, 205.

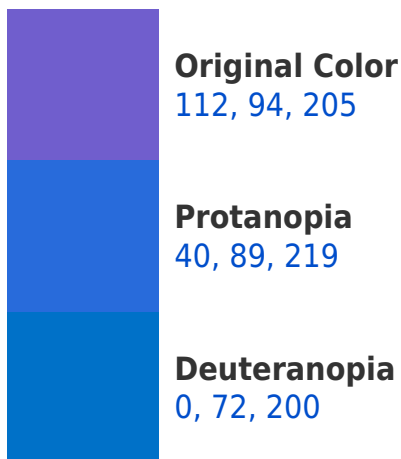


This preview shows how white text looks on a background with the RYB color 112, 94, 205.

# 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**  
90, 104, 124

# Trichromacy



**Original Color**

112, 94, 205

**Protanomaly**

66, 95, 214

**Deuteranomaly**

41, 87, 202

**Tritanomaly**

98, 106, 153

# Monochromacy



**Original Color**

112, 94, 205

**Achromatopsia**

112, 112, 112

**Achromatomaly**

112, 105, 146

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 112, 94, 205 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, 94, 205)` looks like.

```
.text, #text, p{  
    color:rgb(112, 94, 205)  
}
```

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, 94, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 94, 205) }
```

## Border

The CSS property to change the border of an element to RYB 112, 94, 205 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, 94, 205) }
```

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

```
.border{ border-color:rgb(112, 94, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 94, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 94, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 94, 205); box-shadow:4px 4px 4px 4px rgb(112, 94, 205) }
```

# Background

The CSS property to change the background color of an element to RGB 112, 94, 205 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 94, 205) }
```

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

```
.background{ background-color: rgb(112, 94,  
205) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor