

# Converting Colors

`RYB(114, 93, 232)`

Have a look what the booklet for  
RYB(114, 93, 232) contains.

<b>RYB(114, 93, 232)</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(114, 93, 232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	725DE8
RGB	114, 93, 232
RGB Percent	45%, 36%, 91%
CMY	0.5529, 0.6353, 0.0902
CMYK	0.51, 0.60, 0.00, 0.09
HSL	249°, 75%, 64%
HSV	249°, 60%, 91%
XYZ	25.4193, 17.2323, 78.3304
YIQ	115.1250, -32.1030, 47.6810

# Conversions

## Conversions Part 2

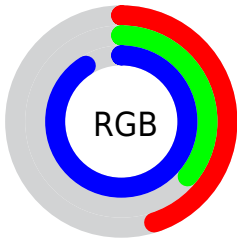
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 93, 232
Decimal	7495144
CIELab	48.55, 43.90, -67.91
CIElCh	49, 80.865, 302.881
Yxy	17.2323, 0.2101, 0.1424
Android (android.graphics.Color)	4285685224 (0xFF725DE8)
YUV	115.1250, 57.6194, -0.9866
Hunter-Lab	41.5118, 36.6567, -82.8185

# Details

The RYB color **114, 93, 232** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **93, 232, 114**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **173, 144, 255**, and **49, 45, 175** is the 20% darker color. If you saturate the color by 10%, you get **94, 70, 232**, and if you desaturate by 10%, it is **134, 116, 232**.

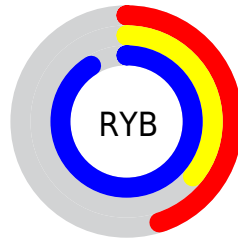
# Distribution



Red (45%)

Green (36%)

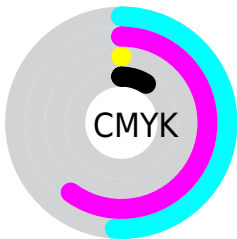
Blue (91%)



Red (45%)

Yellow (36%)

Blue (91%)

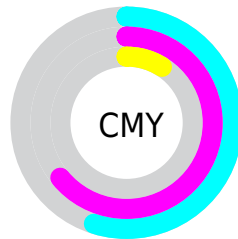


Cyan (51%)

Magenta (60%)

Yellow (0%)

Black (9%)



Cyan (55%)

Magenta (64%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 114, 93, 232 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 114, 93, 232 by changing the saturation by 10% instead.



 114, 93, 232

255, 255, 255


 173, 144, 255

 203, 171, 255

 233, 199, 255

 255, 227, 255

 114, 93, 232

 83, 69, 203

 49, 45, 175

 0, 20, 148

 0, 2, 121

 0, 0, 96

 0, 7, 71

 0, 4, 47

 0, 1, 26

 0, 0, 0

■ 114, 93, 232

■ 114, 93, 232

■ 94, 70, 232

■ 134, 116, 232

■ 75, 47, 232

■ 153, 139, 232

■ 55, 23, 232

■ 173, 163, 232

■ 35, 0, 232

■ 193, 186, 232

■ 212, 209, 232

■ 232, 232, 232

■ 232, 255, 235

■ 232, 255, 232

# Harmonies

## Analogous

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



0, 83, 254



114, 93, 232



199, 44, 179

# Triad

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



114, 93, 232



188, 159, 0



0, 78, 143

# Complementary

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



114, 93, 232



93, 232, 114

# 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, 105, 140



114, 93, 232



23, 135, 0

# Square

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



114, 93, 232



223, 38, 45



0, 132, 71



0, 81, 189

# Rectangle

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



114, 93, 232



224, 0, 135



0, 132, 71



0, 85, 142



# Sweetspot

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



114, 93, 232



216, 209, 255



93, 157, 232



104, 99, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



114, 93, 232



99, 71, 255



183, 93, 232



105, 103, 115



27, 0, 179



8, 0, 51



# Inverse Universe

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



232, 93, 211



255, 71, 227



93, 232, 183



115, 103, 113



179, 0, 152

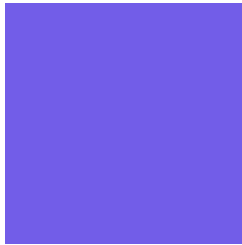


51, 0, 43



# Previews

## White Background



This preview shows how the RYB color 114, 93, 232 looks on a white background.

## Color Contrast Check

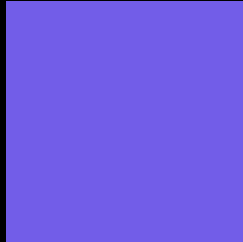
Large Text (above 18pt) WCAG AA ✓ Pass

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 114, 93, 232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

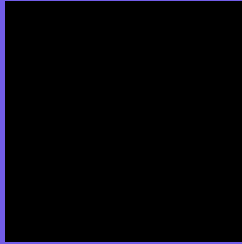
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYB 114, 93, 232 Background



This preview shows how black text looks on a background with the RYB color 114, 93, 232.

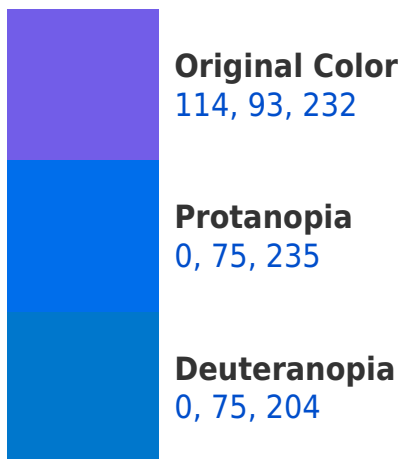



This preview shows how white text looks on a background with the RYB color 114, 93, 232.

# 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](#).

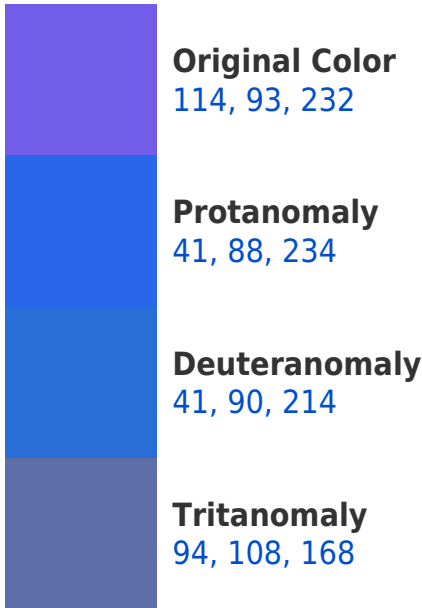
## Dichromacy



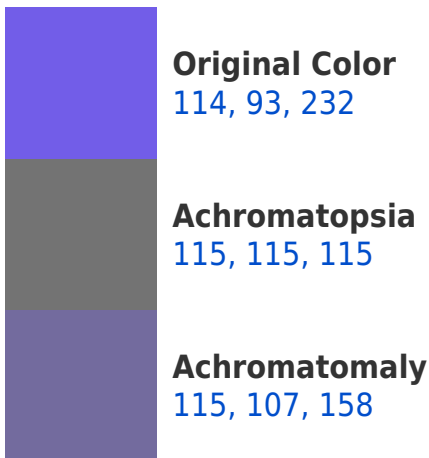


**Tritanopia**  
83, 104, 131

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 114, 93, 232 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(114, 93, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 93, 232)  
}
```

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(114, 93, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 93, 232) }
```

## Border

The CSS property to change the border of an element to RYB 114, 93, 232 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(114, 93, 232) }
```

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

```
.border{ border-color:rgb(114, 93, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 93, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 93, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 93, 232);  
box-shadow:4px 4px 4px 4px rgb(114, 93,  
232) }
```

# Background

The CSS property to change the background color of an element to RGB 114, 93, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 93, 232) }
```

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

```
.background{ background-color: rgb(114, 93,  
232) }
```

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