

# Converting Colors

`RYB(134, 90, 193)`

Have a look what the booklet for  
RYB(134, 90, 193) contains.

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# Color

**R<sub>Y</sub>B(134, 90, 193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	865AC1
RGB	134, 90, 193
RGB Percent	53%, 35%, 76%
CMY	0.4745, 0.6471, 0.2431
CMYK	0.31, 0.53, 0.00, 0.24
HSL	266°, 45%, 55%
HSV	266°, 53%, 76%
XYZ	23.1133, 16.2309, 52.3668
YIQ	114.8980, -6.8390, 41.3610

# Conversions

## Conversions Part 2

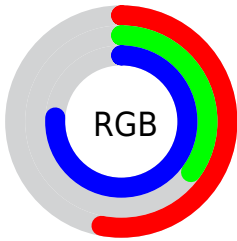
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 90, 193
Decimal	8805057
CIE <sub>Lab</sub>	47.28, 39.35, -47.60
CIE <sub>LCh</sub>	47, 61.758, 309.577
Yxy	16.2309, 0.2520, 0.1770
Android (android.graphics.Color)	4286995137 (0xFF865AC1)
YUV	114.8980, 38.5043, 16.7525
Hunter-Lab	40.2876, 31.9035, -48.8652

# Details

The RYB color **134, 90, 193** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **90, 193, 134**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **190, 141, 250**, and **80, 42, 139** is the 20% darker color. If you saturate the color by 10%, you get **123, 71, 193**, and if you desaturate by 10%, it is **145, 109, 193**.

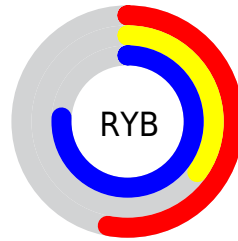
# Distribution



Red (53%)

Green (35%)

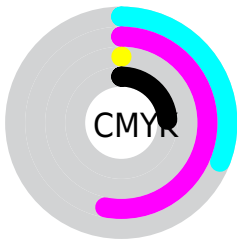
Blue (76%)



Red (53%)

Yellow (35%)

Blue (76%)

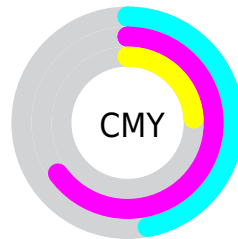


Cyan (31%)

Magenta (53%)

Yellow (0%)

Black (24%)



Cyan (47%)

Magenta (65%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 134, 90, 193 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 134, 90, 193 by changing the saturation by 10% instead.



 134, 90, 193

 134, 90, 193


255, 255, 255

 107, 65, 165

 190, 141, 250

 80, 42, 139

 219, 168, 255

 53, 18, 113

 248, 196, 255

 24, 0, 88

 255, 224, 255

 0, 0, 64

 255, 253, 255


 0, 3, 41

 0, 1, 18

 0, 0, 0


 134, 90, 193


 134, 90, 193


 123, 71, 193


 145, 109, 193

 112, 51, 193

 156, 129, 193

 101, 32, 193

 167, 148, 193

 90, 13, 193

 178, 167, 193

 82, 0, 193

 189, 187, 193

 193, 206, 199

 193, 225, 207

 193, 244, 215

 193, 255, 215

# Harmonies

## Analogous

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



0, 74, 216



134, 90, 193



186, 64, 150

# Triad

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



134, 90, 193



116, 164, 0



0, 69, 135

# Complementary

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



134, 90, 193



90, 193, 134

# 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, 85, 133



134, 90, 193



5, 120, 0

# Square

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



134, 90, 193



194, 77, 48



17, 127, 82



0, 76, 177

# Rectangle

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



134, 90, 193



201, 53, 115



17, 127, 82



0, 74, 135



# Sweetspot

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



134, 90, 193



227, 210, 250



90, 128, 193



111, 101, 125



252, 252, 252



125, 125, 125



# Same Dimension

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



134, 90, 193



158, 90, 250



184, 90, 193



91, 87, 97



69, 0, 161



14, 0, 33



# Inverse Universe

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



193, 90, 149



250, 90, 182



90, 193, 184



97, 87, 93



161, 0, 92

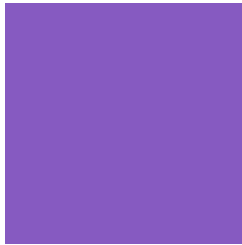


33, 0, 19



# Previews

## White Background



This preview shows how the RYB color 134, 90, 193 looks on a white background.

## Color Contrast Check

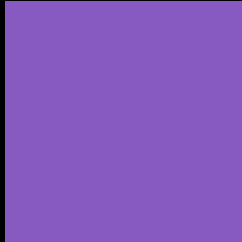
Large Text (above 18pt) WCAG AA ✓ Pass

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 134, 90, 193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

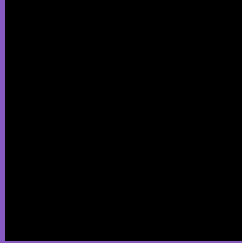
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYB 134, 90, 193 Background



This preview shows how black text looks on a background with the RYB color 134, 90, 193.

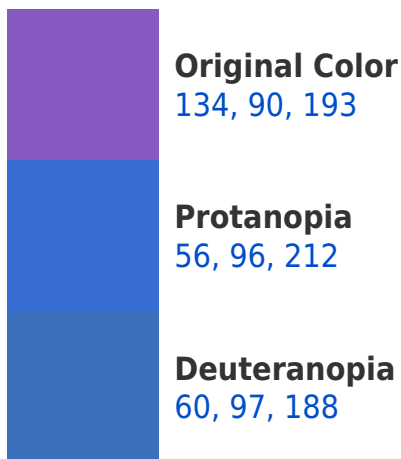



This preview shows how white text looks on a background with the RYB color 134, 90, 193.

# 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





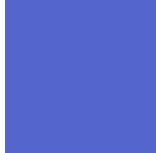
**Tritanopia**  
120, 109, 118

# Trichromacy



**Original Color**

134, 90, 193



**Protanomaly**

84, 100, 205



**Deuteranomaly**

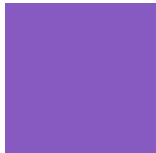
87, 102, 190



**Tritanomaly**

125, 102, 145

# Monochromacy



**Original Color**

134, 90, 193



**Achromatopsia**

115, 115, 115



**Achromatomaly**

122, 106, 143

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 134, 90, 193 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(134, 90, 193)` looks like.

```
.text, #text, p{  
  color:rgb(134, 90, 193)  
}
```

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(134, 90, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 90, 193) }
```

## Border

The CSS property to change the border of an element to RYB 134, 90, 193 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(134, 90, 193) }
```

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

```
.border{ border-color:rgb(134, 90, 193) }
```

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

Here you see how a box with a 4 pixel rgb(134, 90, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 90, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 90, 193);  
box-shadow:4px 4px 4px 4px rgb(134, 90,  
193) }
```

# Background

The CSS property to change the background color of an element to RGB 134, 90, 193 is called "background".

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

```
.background, #background, body{  
background: rgb(134, 90, 193) }
```

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

```
.background{ background-color: rgb(134, 90,  
193) }
```

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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