

# Converting Colors

`RYB(154, 130, 204)`

Have a look what the booklet for  
RYB(154, 130, 204) contains.

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# Color

**R<sub>Y</sub>B(154, 130, 204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9A82CC
RGB	154, 130, 204
RGB Percent	60%, 51%, 80%
CMY	0.3961, 0.4902, 0.2000
CMYK	0.25, 0.36, 0.00, 0.20
HSL	259°, 42%, 65%
HSV	259°, 36%, 80%
XYZ	32.2081, 27.1949, 60.6783
YIQ	145.6120, -9.4500, 28.1020

# Conversions

## Conversions Part 2

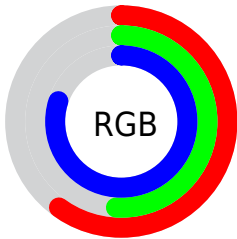
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 130, 204
Decimal	10126028
CIELab	59.15, 24.65, -35.01
CIELCh	59, 42.814, 305.147
Yxy	27.1949, 0.2682, 0.2265
Android (android.graphics.Color)	4288316108 (0xFF9A82CC)
YUV	145.6120, 28.7853, 7.3563
Hunter-Lab	52.1488, 18.9850, -32.4835

# Details

The RYB color **154, 130, 204** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **130, 204, 154**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **210, 183, 255**, and **101, 80, 149** is the 20% darker color. If you saturate the color by 10%, you get **140, 110, 204**, and if you desaturate by 10%, it is **168, 150, 204**.

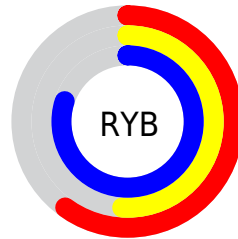
# Distribution



Red (60%)

Green (51%)

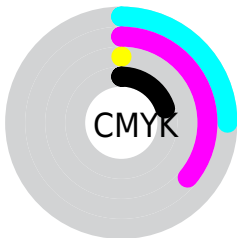
Blue (80%)



Red (60%)

Yellow (51%)

Blue (80%)

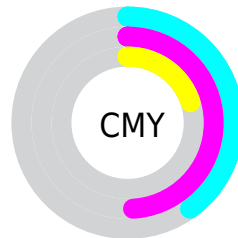


Cyan (25%)

Magenta (36%)

Yellow (0%)

Black (20%)



Cyan (40%)

Magenta (49%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 154, 130, 204 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 154, 130, 204 by changing the saturation by 10% instead.




 154, 130, 204


255, 255, 255


 210, 183, 255

 238, 211, 255


 255, 239, 255

 154, 130, 204

 127, 105, 176

 101, 80, 149

 76, 57, 123

 51, 35, 98

 25, 14, 74


 4, 0, 51

 0, 2, 29

 0, 0, 0


 154, 130, 204


 154, 130, 204

 140, 110, 204

 168, 150, 204

 126, 89, 204

 182, 171, 204

 113, 69, 204


 195, 191, 204

 99, 48, 204

 204, 212, 207

 85, 28, 204

 204, 232, 213

 71, 8, 204

 204, 252, 219

 66, 0, 204

 204, 255, 209

 204, 255, 204

# Harmonies

## Analogous

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



90, 128, 217



154, 130, 204



194, 117, 175

# Triad

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



154, 130, 204



190, 179, 74



0, 85, 162

# Complementary

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



154, 130, 204



130, 204, 154

# 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.



68, 131, 159



154, 130, 204



86, 159, 65

# Square

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



154, 130, 204



210, 118, 101



79, 153, 113



0, 86, 185

# Rectangle

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



154, 130, 204



209, 111, 150



79, 153, 113



0, 88, 161



# Sweetspot

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



154, 130, 204



236, 227, 255



130, 160, 204



116, 111, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



154, 130, 204



179, 143, 255



190, 130, 204



95, 92, 102



54, 0, 166



12, 0, 38



# Inverse Universe

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



204, 130, 180



255, 143, 219



130, 204, 190



102, 92, 99



166, 0, 112



38, 0, 26



# Previews

## White Background



This preview shows how the RYB color 154, 130, 204 looks on a white background.

## Color Contrast Check

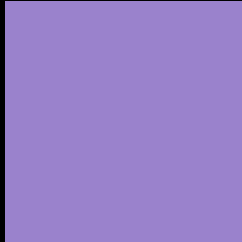
Large Text (above 18pt) WCAG AA ✓ Pass

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 154, 130, 204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

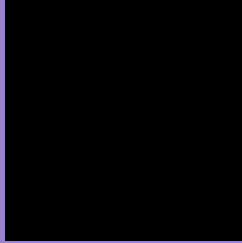
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 154, 130, 204 Background



This preview shows how black text looks on a background with the RYB color 154, 130, 204.

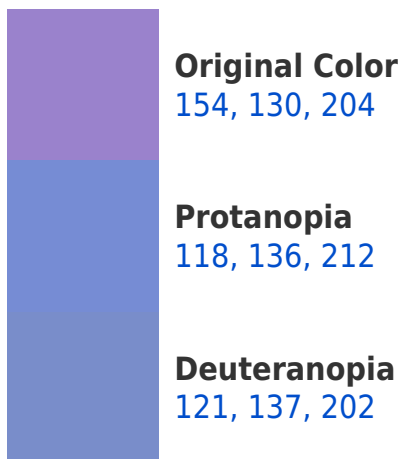



This preview shows how white text looks on a background with the RYB color 154, 130, 204.

# 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

144, 141, 152

# Trichromacy



**Original Color**  
154, 130, 204

**Protanomaly**  
131, 136, 209

**Deuteranomaly**  
133, 137, 203

**Tritanomaly**  
148, 137, 171

# Monochromacy



**Original Color**  
154, 130, 204

**Achromatopsia**  
146, 146, 146

**Achromatomaly**  
149, 140, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 154, 130, 204 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(154, 130, 204)` looks like.

```
.text, #text, p{  
    color:rgb(154, 130, 204)  
}
```

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(154, 130, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 130, 204) }
```

## Border

The CSS property to change the border of an element to RYB 154, 130, 204 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(154, 130, 204) }
```

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

```
.border{ border-color:rgb(154, 130, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 130, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 130, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 130, 204);  
box-shadow:4px 4px 4px 4px rgb(154, 130,  
204) }
```

# Background

The CSS property to change the background color of an element to RYB 154, 130, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 130, 204) }
```

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

```
.background{ background-color: rgb(154,  
130, 204) }
```

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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