

Converting Colors

`RYB(168, 97, 194)`

Have a look what the booklet for RYB(168, 97, 194) contains.

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Color

R_YB(168, 97, 194)

Conversions

Conversions Part 1

Format	Color
Hex	A861C2
RGB	168, 97, 194
RGB Percent	66%, 38%, 76%
CMY	0.3412, 0.6196, 0.2392
CMYK	0.13, 0.50, 0.00, 0.24
HSL	284°, 44%, 57%
HSV	284°, 50%, 76%
XYZ	30.1607, 20.7693, 53.4582
YIQ	129.2870, 11.1790, 45.2190

Conversions

Conversions Part 2

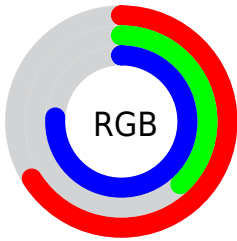
Format	Color
RYB	168, 97, 194
Decimal	11035074
CIELab	52.70, 44.94, -39.34
CIElCh	53, 59.721, 318.801
Yxy	20.7693, 0.2889, 0.1990
Android (android.graphics.Color)	4289225154 (0xFFA861C2)
YUV	129.2870, 31.9035, 33.9513
Hunter-Lab	45.5733, 38.3793, -37.6467

Details

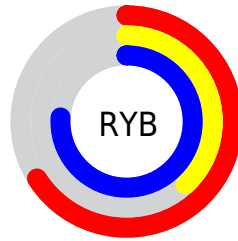
The RYB color **168, 97, 194** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **97, 194, 168**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **225, 150, 251**, and **114, 46, 140** is the 20% darker color. If you saturate the color by 10%, you get **163, 78, 194**, and if you desaturate by 10%, it is **173, 116, 194**.

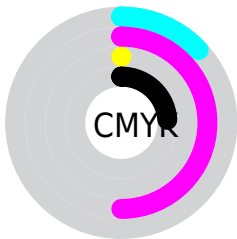
Distribution



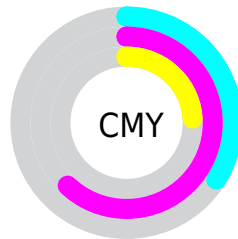
- Red (66%)
- Green (38%)
- Blue (76%)



- Red (66%)
- Yellow (38%)
- Blue (76%)



- Cyan (13%)
- Magenta (50%)
- Yellow (0%)
- Black (24%)




- Cyan (34%)
- Magenta (62%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the RYB color 168, 97, 194 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 168, 97, 194 by changing the saturation by 10% instead.

 168, 97, 194


255, 255, 255


 225, 150, 251

 254, 177, 255


 255, 205, 255

 255, 234, 255

 168, 97, 194

 140, 71, 167

 114, 46, 140

 87, 19, 114

 61, 0, 89

 38, 0, 65


 0, 0, 42

 0, 1, 20


 0, 0, 0

 168, 97, 194


 168, 97, 194

 163, 78, 194


 173, 116, 194


 158, 58, 194

 178, 136, 194

 152, 39, 194

 184, 155, 194

 147, 19, 194

 189, 175, 194

 142, 0, 194

 194, 194, 194

 194, 213, 208

 194, 233, 223

 194, 252, 236

 194, 255, 234

Harmonies

Analogous

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



85, 113, 223



168, 97, 194



208, 77, 147

Triad

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



168, 97, 194



77, 167, 3



0, 77, 157

Complementary

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



168, 97, 194



97, 194, 168

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, 87, 148



168, 97, 194



2, 133, 15

Square

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



168, 97, 194



201, 115, 49



53, 143, 141



0, 85, 202

Rectangle

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



168, 97, 194



217, 73, 113



53, 143, 141



0, 78, 150

Sweetspot

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



168, 97, 194



242, 215, 252



97, 118, 194



121, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



168, 97, 194



212, 101, 252



194, 97, 173



94, 87, 97



118, 0, 161



24, 0, 33

Inverse Universe

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



194, 97, 123



252, 101, 142



97, 177, 194



97, 87, 90



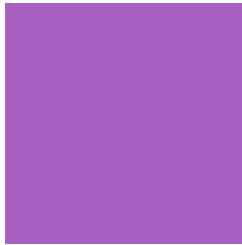
161, 0, 43



33, 0, 9

Previews

White Background



This preview shows how the RYB color 168, 97, 194 looks on a white background.

Color Contrast Check

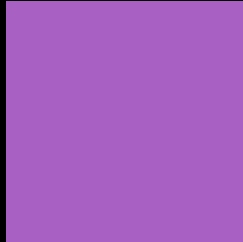
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 97, 194 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 168, 97, 194 Background



This preview shows how black text looks on a background with the RYB color 168, 97, 194.

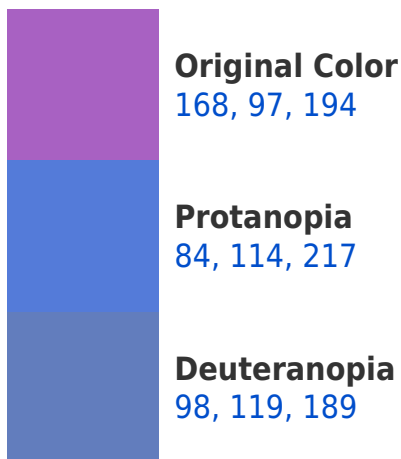


This preview shows how white text looks on a background with the RYB color 168, 97, 194.

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





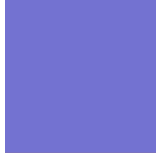
Tritanopia
158, 114, 123

Trichromacy



Original Color

168, 97, 194



Protanomaly

115, 114, 209



Deuteranomaly

123, 115, 191



Tritanomaly

162, 108, 149

Monochromacy



Original Color

168, 97, 194



Achromatopsia

129, 129, 129



Achromatomaly

143, 117, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 97, 194 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(168, 97, 194) looks like.

```
.text, #text, p{  
    color:rgb(168, 97, 194)  
}
```

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(168, 97, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 97, 194) }
```

Border

The CSS property to change the border of an element to RYB 168, 97, 194 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(168, 97, 194) }
```

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

```
.border{ border-color:rgb(168, 97, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 97, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 97, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 97, 194);  
box-shadow:4px 4px 4px 4px rgb(168, 97,  
194) }
```

Background

The CSS property to change the background color of an element to RGB 168, 97, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 97, 194) }
```

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

```
.background{ background-color: rgb(168, 97,  
194) }
```

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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