

Converting Colors

`RYB(158, 106, 197)`

Have a look what the booklet for
RYB(158, 106, 197) contains.

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Color

R_YB(158, 106, 197)

Conversions

Conversions Part 1

Format	Color
Hex	9E6AC5
RGB	158, 106, 197
RGB Percent	62%, 42%, 77%
CMY	0.3804, 0.5843, 0.2275
CMYK	0.20, 0.46, 0.00, 0.23
HSL	274°, 44%, 59%
HSV	274°, 46%, 77%
XYZ	29.3326, 21.6084, 55.4482
YIQ	131.9220, 1.7810, 39.3250

Conversions

Conversions Part 2

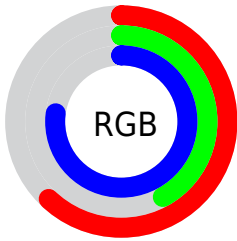
Format	Color
RYB	158, 106, 197
Decimal	10382021
CIELab	53.61, 37.85, -39.70
CIELCh	54, 54.850, 313.636
Yxy	21.6084, 0.2757, 0.2031
Android (android.graphics.Color)	4288572101 (0xFF9E6AC5)
YUV	131.9220, 32.0835, 22.8704
Hunter-Lab	46.4848, 31.2878, -38.1831

Details

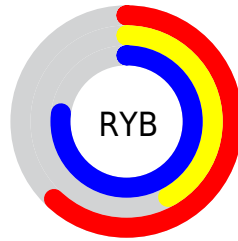
The RYB color **158, 106, 197** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **106, 197, 158**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **214, 158, 254**, and **104, 57, 143** is the 20% darker color. If you saturate the color by 10%, you get **150, 86, 197**, and if you desaturate by 10%, it is **166, 126, 197**.

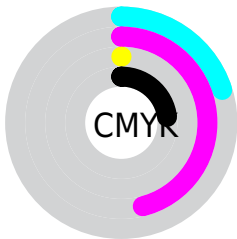
Distribution



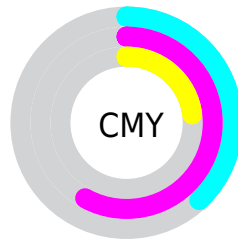
- Red (62%)
- Green (42%)
- Blue (77%)



- Red (62%)
- Yellow (42%)
- Blue (77%)



- Cyan (20%)
- Magenta (46%)
- Yellow (0%)
- Black (23%)



- Cyan (38%)
- Magenta (58%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the RYB color 158, 106, 197 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 158, 106, 197 by changing the saturation by 10% instead.

 158, 106, 197

255, 255, 255


 214, 158, 254

 243, 186, 255

 255, 214, 255

 255, 242, 255

 158, 106, 197

 131, 81, 169


 104, 57, 143

 78, 33, 117

 53, 7, 92

 29, 0, 68


 0, 0, 45

 0, 1, 23


 0, 0, 0

 158, 106, 197

 158, 106, 197

 150, 86, 197

 166, 126, 197


 141, 67, 197


 175, 145, 197

 133, 47, 197


 183, 165, 197

 124, 27, 197

 192, 185, 197

 116, 8, 197

 197, 205, 202

 113, 0, 197

 197, 224, 212

 197, 244, 224

 197, 255, 226

 197, 255, 218

Harmonies

Analogous

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



75, 113, 220



158, 106, 197



200, 87, 156

Triad

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



158, 106, 197



127, 174, 30



0, 76, 151

Complementary

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



158, 106, 197



106, 197, 158

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, 89, 149



158, 106, 197



23, 133, 24

Square

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



158, 106, 197



203, 107, 65



55, 143, 120



0, 84, 192

Rectangle

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



158, 106, 197



212, 82, 124



55, 143, 120



0, 80, 151

Sweetspot

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



158, 106, 197



240, 219, 255



106, 133, 197



118, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



158, 106, 197



195, 115, 255



197, 106, 191



95, 90, 99



93, 0, 163



20, 0, 36

Inverse Universe

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



197, 106, 145



255, 115, 175



106, 191, 197



99, 90, 94



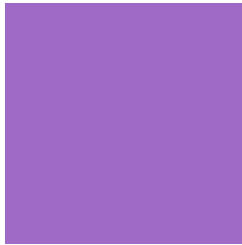
163, 0, 70



36, 0, 15

Previews

White Background



This preview shows how the RYB color 158, 106, 197 looks on a white background.

Color Contrast Check

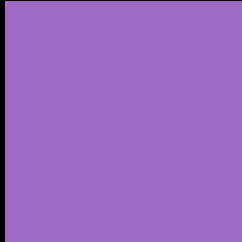
Large Text (above 18pt) WCAG AA ✓ Pass

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 158, 106, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

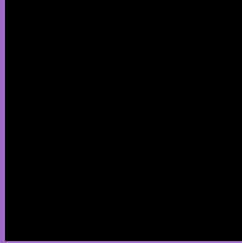
Any Text WCAG AA ✓ Pass

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 158, 106, 197 Background



This preview shows how black text looks on a background with the RYB color 158, 106, 197.

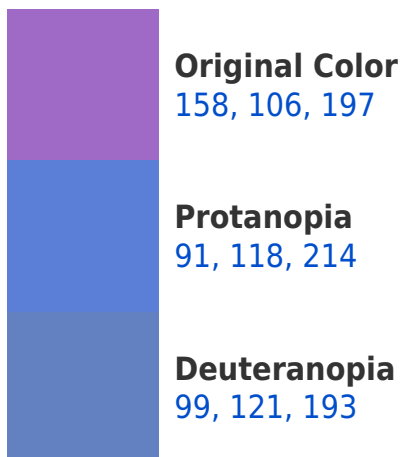


This preview shows how white text looks on a background with the RYB color 158, 106, 197.

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
147, 121, 131

Trichromacy



Original Color

158, 106, 197



Protanomaly

115, 118, 208



Deuteranomaly

120, 120, 194



Tritanomaly

151, 116, 155

Monochromacy



Original Color

158, 106, 197



Achromatopsia

132, 132, 132



Achromatomaly

141, 123, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 106, 197 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(158, 106, 197) looks like.

```
.text, #text, p{  
    color:rgb(158, 106, 197)  
}
```

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(158, 106, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 106, 197) }
```

Border

The CSS property to change the border of an element to RYB 158, 106, 197 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(158, 106, 197) }
```

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

```
.border{ border-color:rgb(158, 106, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 106, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 106, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 106, 197);  
box-shadow:4px 4px 4px 4px rgb(158, 106,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 158, 106, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 106, 197) }
```

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

```
.background{ background-color: rgb(158,  
106, 197) }
```

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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