

Converting Colors

`RYB(159, 106, 197)`

Have a look what the booklet for RYB(159, 106, 197) contains.

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Color

R_YB(159, 106, 197)

Conversions

Conversions Part 1

Format	Color
Hex	9F6AC5
RGB	159, 106, 197
RGB Percent	62%, 42%, 77%
CMY	0.3765, 0.5843, 0.2275
CMYK	0.19, 0.46, 0.00, 0.23
HSL	275°, 44%, 59%
HSV	275°, 46%, 77%
XYZ	29.5302, 21.7102, 55.4574
YIQ	132.2210, 2.3770, 39.5370

Conversions

Conversions Part 2

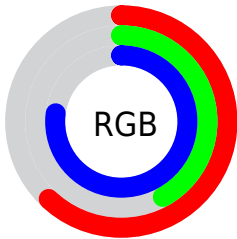
Format	Color
R _Y B	159, 106, 197
Decimal	10447557
CIE Lab	53.72, 38.14, -39.52
CIE LCh	54, 54.918, 313.981
Yxy	21.7102, 0.2768, 0.2035
Android (android.graphics.Color)	4288637637 (0xFF9F6AC5)
YUV	132.2210, 31.9360, 23.4852
Hunter-Lab	46.5942, 31.5886, -37.9522

Details

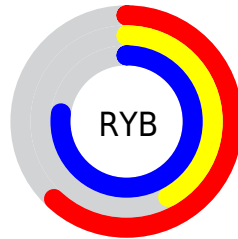
The RYB color **159, 106, 197** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **106, 197, 159**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **215, 158, 254**, and **105, 57, 143** is the 20% darker color. If you saturate the color by 10%, you get **151, 86, 197**, and if you desaturate by 10%, it is **167, 126, 197**.

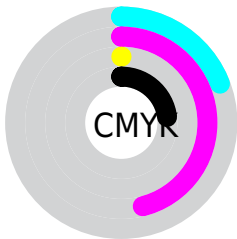
Distribution



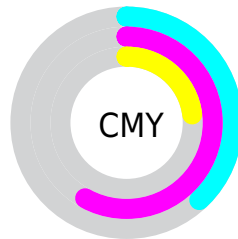
- Red (62%)
- Green (42%)
- Blue (77%)



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



- Cyan (19%)
- Magenta (46%)
- Yellow (0%)
- Black (23%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 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 159, 106, 197 by changing the saturation by 10% instead.

 159, 106, 197


255, 255, 255

 215, 158, 254

 244, 186, 255

 255, 214, 255

 255, 243, 255

 159, 106, 197

 132, 81, 169

 105, 57, 143

 79, 33, 117

 54, 6, 92


 30, 0, 68


 0, 0, 45

 0, 1, 23


 0, 0, 0

 159, 106, 197

 159, 106, 197

 151, 86, 197

 167, 126, 197

 143, 67, 197


 175, 145, 197

 134, 47, 197


 184, 165, 197

 126, 27, 197

 192, 185, 197

 118, 8, 197

 197, 205, 202

 115, 0, 197

 197, 224, 213

 197, 244, 224

 197, 255, 227

 197, 255, 219

Harmonies

Analogous

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



76, 113, 221



159, 106, 197



201, 87, 156

Triad

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



159, 106, 197



122, 173, 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.



159, 106, 197



106, 197, 159

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



159, 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.



159, 106, 197



203, 107, 64



56, 144, 122



0, 84, 193

Rectangle

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



159, 106, 197



213, 83, 124



56, 144, 122



0, 80, 151

Sweetspot

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



159, 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.



159, 106, 197



196, 115, 255



197, 106, 191



95, 90, 99



95, 0, 163



21, 0, 36

Inverse Universe

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



197, 106, 144



255, 115, 173



106, 191, 197



99, 90, 94



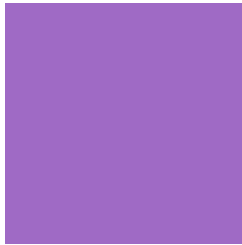
163, 0, 68



36, 0, 15

Previews

White Background



This preview shows how the RYB color 159, 106, 197 looks on a white background.

Color Contrast Check

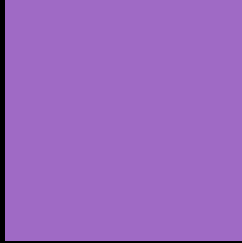
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 106, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

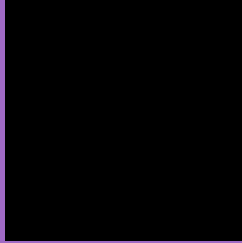
Any Text WCAG AA ✓ Pass

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 159, 106, 197 Background



This preview shows how black text looks on a background with the RYB color 159, 106, 197.



This preview shows how white text looks on a background with the RYB color 159, 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



Original Color
159, 106, 197

Protanopia
92, 119, 215

Deuteranopia
99, 121, 193



Tritanopia
148, 121, 131

Trichromacy



Original Color
159, 106, 197

Protanomaly
116, 119, 208

Deuteranomaly
121, 120, 194

Tritanomaly
152, 116, 155

Monochromacy



Original Color
159, 106, 197

Achromatopsia
132, 132, 132

Achromatomaly
142, 123, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 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(159, 106, 197) looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 106, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 106, 197) }
```

Border

The CSS property to change the border of an element to RYB 159, 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(159, 106, 197) }
```

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

```
.border{ border-color:rgb(159, 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(159, 106, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 106, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 106, 197);  
box-shadow:4px 4px 4px 4px rgb(159, 106,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 159, 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(159, 106, 197) }
```

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

```
.background{ background-color: rgb(159,  
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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