

Converting Colors

`RYB(157, 101, 199)`

Have a look what the booklet for
RYB(157, 101, 199) contains.

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Color

R_YB(157, 101, 199)

Conversions

Conversions Part 1

Format	Color
Hex	9D65C7
RGB	157, 101, 199
RGB Percent	62%, 40%, 78%
CMY	0.3843, 0.6039, 0.2196
CMYK	0.21, 0.49, 0.00, 0.22
HSL	274°, 47%, 59%
HSV	274°, 49%, 78%
XYZ	28.8671, 20.5990, 56.4874
YIQ	128.9160, 1.9180, 42.3500

Conversions

Conversions Part 2

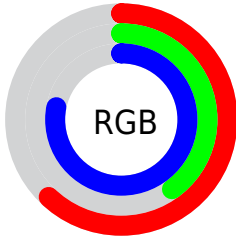
Format	Color
RYB	157, 101, 199
Decimal	10315207
CIELab	52.51, 40.80, -42.59
CIELCh	53, 58.977, 313.772
Yxy	20.5990, 0.2725, 0.1944
Android (android.graphics.Color)	4288505287 (0xFF9D65C7)
YUV	128.9160, 34.5514, 24.6297
Hunter-Lab	45.3861, 34.1064, -42.0218

Details

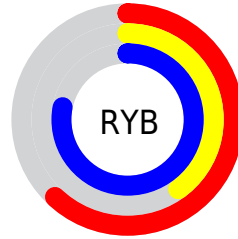
The RYB color **157, 101, 199** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **101, 199, 157**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **213, 153, 255**, and **103, 51, 144** is the 20% darker color. If you saturate the color by 10%, you get **148, 81, 199**, and if you desaturate by 10%, it is **166, 121, 199**.

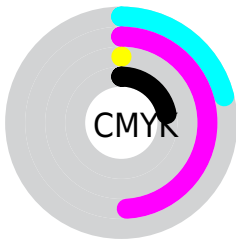
Distribution



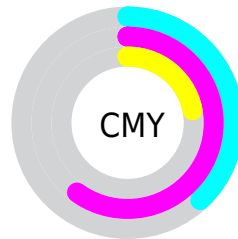
- Red (62%)
- Green (40%)
- Blue (78%)



- Red (62%)
- Yellow (40%)
- Blue (78%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (60%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the RYB color 157, 101, 199 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 157, 101, 199 by changing the saturation by 10% instead.

 157, 101, 199

255, 255, 255

 213, 153, 255


 242, 181, 255

 255, 209, 255


 255, 237, 255

 157, 101, 199

 130, 76, 171

 103, 51, 144

 77, 27, 118


 51, 0, 93


 27, 0, 69

 0, 0, 46

 0, 1, 24

 0, 0, 0

 157, 101, 199

 157, 101, 199

■ 148, 81, 199

■ 166, 121, 199

■ 140, 61, 199

■ 174, 141, 199

■ 131, 41, 199

■ 183, 161, 199

■ 123, 21, 199

■ 191, 181, 199

■ 114, 1, 199

■ 199, 201, 200

■ 114, 0, 199

■ 199, 220, 211

■ 199, 240, 222

■ 199, 255, 229

■ 199, 255, 220

Harmonies

Analogous

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



61, 106, 224



157, 101, 199



202, 79, 155

Triad

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



157, 101, 199



108, 172, 14



0, 75, 149

Complementary

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



157, 101, 199



101, 199, 157

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, 147



157, 101, 199



0, 130, 2

Square

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



157, 101, 199



204, 101, 57



46, 141, 118



0, 84, 194

Rectangle

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



157, 101, 199



215, 74, 121



46, 141, 118



0, 80, 149

Sweetspot

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



157, 101, 199



239, 217, 255



101, 130, 199



118, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 101, 199



191, 105, 255



199, 101, 192



95, 90, 99



93, 0, 163



20, 0, 36

Inverse Universe

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



199, 101, 143



255, 105, 169



101, 192, 199



99, 90, 94



163, 0, 70



36, 0, 15

Previews

White Background



This preview shows how the RYB color 157, 101, 199 looks on a white background.

Color Contrast Check

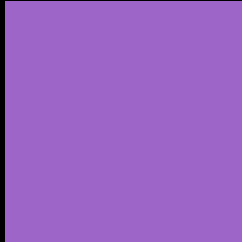
Large Text (above 18pt) WCAG AA ✓ Pass

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 157, 101, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

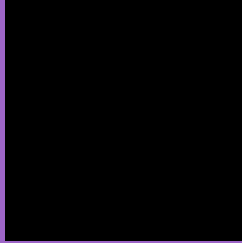
Any Text WCAG AA ✓ Pass

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 157, 101, 199 Background



This preview shows how black text looks on a background with the RYB color 157, 101, 199.

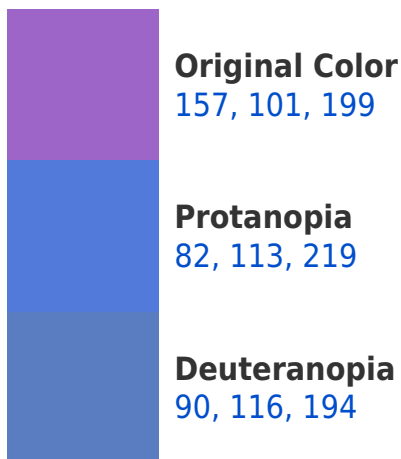



This preview shows how white text looks on a background with the RYB color 157, 101, 199.

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
145, 118, 127

Trichromacy



Original Color
157, 101, 199

Protanomaly
109, 114, 212

Deuteranomaly
114, 116, 196

Tritanomaly
149, 112, 153

Monochromacy



Original Color
157, 101, 199

Achromatopsia
129, 129, 129

Achromatomaly
139, 119, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 101, 199 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(157, 101, 199)` looks like.

```
.text, #text, p{  
    color:rgb(157, 101, 199)  
}
```

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(157, 101, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 101, 199) }
```

Border

The CSS property to change the border of an element to RYB 157, 101, 199 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(157, 101, 199) }
```

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

```
.border{ border-color:rgb(157, 101, 199) }
```

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

Here you see how a box with a 4 pixel rgb(157, 101, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 101, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 101, 199);  
box-shadow:4px 4px 4px 4px rgb(157, 101,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 157, 101, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 101, 199) }
```

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

```
.background{ background-color: rgb(157,  
101, 199) }
```

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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