

Converting Colors

`RYB(165, 117, 213)`

Have a look what the booklet for
RYB(165, 117, 213) contains.

| | |
|--|----|
| RYB(165, 117, 213) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

R_YB(165, 117, 213)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A575D5 |
| RGB | 165, 117, 213 |
| RGB Percent | 65%, 46%, 84% |
| CMY | 0.3529, 0.5412, 0.1647 |
| CMYK | 0.23, 0.45, 0.00, 0.16 |
| HSL | 270°, 53%, 65% |
| HSV | 270°, 45%, 84% |
| XYZ | 33.8886, 25.5260, 66.0917 |
| YIQ | 142.2960, -2.2080, 40.0320 |

Conversions

Conversions Part 2

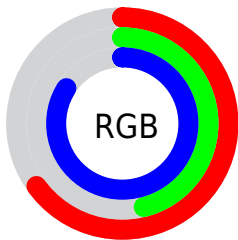
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 165, 117, 213 |
| Decimal | 10843605 |
| CIELab | 57.58, 37.37, -42.47 |
| CIElCh | 58, 56.573, 311.348 |
| Yxy | 25.5260, 0.2700, 0.2034 |
| Android (android.graphics.Color) | 4289033685 (0xFFA575D5) |
| YUV | 142.2960, 34.8571, 19.9114 |
| Hunter-Lab | 50.5233, 31.3135, -42.1935 |

Details

The RYB color **165, 117, 213** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **117, 213, 165**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **222, 170, 255**, and **111, 67, 158** is the 20% darker color. If you saturate the color by 10%, you get **154, 96, 213**, and if you desaturate by 10%, it is **176, 138, 213**.

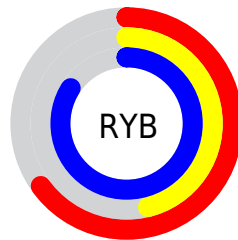
Distribution



Red (65%)

Green (46%)

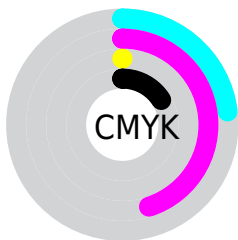
Blue (84%)



Red (65%)

Yellow (46%)

Blue (84%)

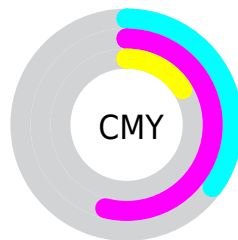


Cyan (23%)

Magenta (45%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (54%)

Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the RYB color 165, 117, 213 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 165, 117, 213 by changing the saturation by 10% instead.

 165, 117, 213

255, 255, 255

 222, 170, 255

 251, 198, 255

 255, 226, 255

 165, 117, 213

 138, 92, 185

 111, 67, 158

 84, 43, 131

 58, 19, 106

 32, 0, 81

 6, 0, 57

 0, 2, 35


 0, 0, 9

 0, 0, 0

 165, 117, 213


 165, 117, 213


 154, 96, 213

 176, 138, 213

 144, 74, 213


 186, 160, 213

 133, 53, 213

 197, 181, 213

 122, 32, 213

 208, 202, 213

 112, 11, 213

 213, 224, 219

 107, 0, 213

 213, 245, 229

 213, 255, 228

 213, 255, 218

 213, 255, 213

Harmonies

Analogous

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



74, 120, 236



165, 117, 213



212, 97, 171

Triad

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



165, 117, 213



151, 189, 39



0, 83, 162

Complementary

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



165, 117, 213



117, 213, 165

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, 97, 160



165, 117, 213



33, 146, 29

Square

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



165, 117, 213



219, 113, 75



59, 153, 120



0, 89, 203

Rectangle

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



165, 117, 213



226, 91, 138



59, 153, 120



0, 87, 162

Sweetspot

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



165, 117, 213



237, 219, 255



117, 149, 213



117, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



165, 117, 213



186, 117, 255



213, 117, 213



102, 96, 107



85, 0, 171



22, 0, 43

Inverse Universe

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



213, 117, 165



255, 117, 186



117, 213, 213



107, 96, 102



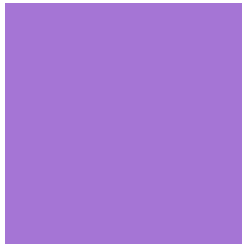
171, 0, 85



43, 0, 22

Previews

White Background



This preview shows how the RYB color 165, 117, 213 looks on a white background.

Color Contrast Check

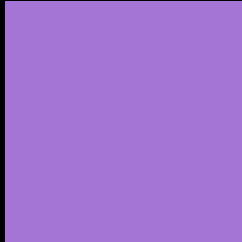
Large Text (above 18pt) WCAG AA ✓ Pass

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 165, 117, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

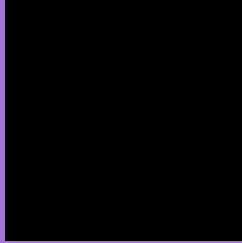
Any Text WCAG AA ✓ Pass

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 165, 117, 213 Background



This preview shows how black text looks on a background with the RYB color 165, 117, 213.

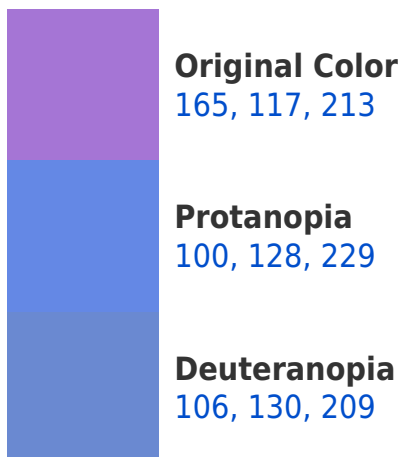


This preview shows how white text looks on a background with the RYB color 165, 117, 213.

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

153, 133, 143

Trichromacy



Original Color
165, 117, 213



Protanomaly
124, 128, 223



Deuteranomaly
127, 130, 210



Tritanomaly
157, 127, 168

Monochromacy



Original Color
165, 117, 213



Achromatopsia
142, 142, 142



Achromatomaly
150, 133, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 117, 213 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(165, 117, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 117, 213)  
}
```

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(165, 117, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 117, 213) }
```

Border

The CSS property to change the border of an element to RYB 165, 117, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

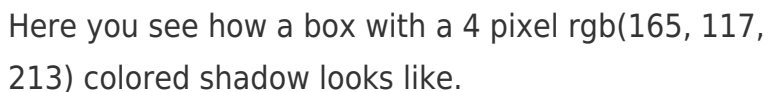
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 117, 213) }
```

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

```
.border{ border-color:rgb(165, 117, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 117, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 117, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 117, 213); box-shadow:4px 4px 4px 4px rgb(165, 117, 213) }
```

Background

The CSS property to change the background color of an element to RYB 165, 117, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 117, 213) }
```

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

```
.background{ background-color: rgb(165,  
117, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor