

Converting Colors

`RYB(165, 122, 186)`

Have a look what the booklet for
RYB(165, 122, 186) contains.

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Color

R_YB(165, 122, 186)

Conversions

Conversions Part 1

Format	Color
Hex	A57ABA
RGB	165, 122, 186
RGB Percent	65%, 48%, 73%
CMY	0.3529, 0.5216, 0.2706
CMYK	0.11, 0.34, 0.00, 0.27
HSL	280°, 32%, 60%
HSV	280°, 34%, 73%
XYZ	31.3395, 25.4636, 49.7176
YIQ	142.1530, 5.0840, 29.0200

Conversions

Conversions Part 2

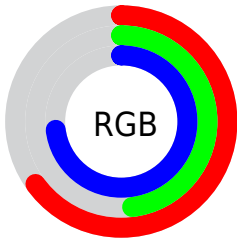
Format	Color
RYB	165, 122, 186
Decimal	10844858
CIELab	57.52, 28.51, -27.24
CIElCh	58, 39.434, 316.302
Yxy	25.4636, 0.2942, 0.2390
Android (android.graphics.Color)	4289034938 (0xFFA57ABA)
YUV	142.1530, 21.6166, 20.0368
Hunter-Lab	50.4614, 22.5514, -23.0930

Details

The RYB color **165, 122, 186** is a light color, and the websafe version is hex **996699**. A complement of this color would be **122, 186, 165**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **221, 175, 242**, and **112, 72, 133** is the 20% darker color. If you saturate the color by 10%, you get **159, 103, 186**, and if you desaturate by 10%, it is **171, 141, 186**.

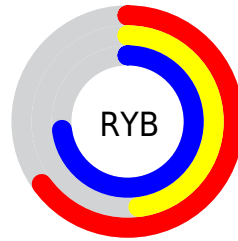
Distribution



Red (65%)

Green (48%)

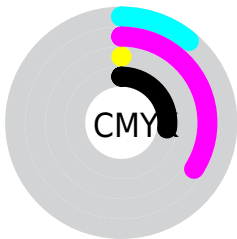
Blue (73%)



Red (65%)

Yellow (48%)

Blue (73%)

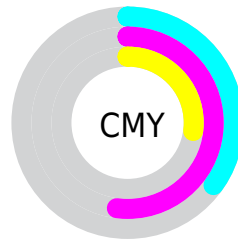


Cyan (11%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (35%)

Magenta (52%)

Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the RYB color 165, 122, 186 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, 122, 186 by changing the saturation by 10% instead.

 165, 122, 186

255, 255, 255

 221, 175, 242

 250, 203, 255

 255, 231, 255

 165, 122, 186

 138, 97, 159

 112, 72, 133

 87, 49, 107

 62, 26, 83


 39, 4, 59

 16, 0, 37

 0, 1, 14

 0, 0, 0

 165, 122, 186

 165, 122, 186

■ 159, 103, 186

■ 171, 141, 186

■ 153, 85, 186

■ 177, 159, 186

■ 147, 66, 186

■ 183, 178, 186

■ 141, 48, 186

■ 186, 196, 193

■ 134, 29, 186

■ 186, 215, 205

■ 128, 10, 186

■ 186, 234, 218

■ 125, 0, 186

■ 186, 252, 230

■ 186, 255, 227

■ 186, 255, 221

Harmonies

Analogous

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



116, 132, 204



165, 122, 186



194, 112, 155

Triad

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



165, 122, 186



142, 173, 71



0, 78, 156

Complementary

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



165, 122, 186



122, 186, 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.



50, 113, 155



165, 122, 186



70, 142, 71

Square

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



165, 122, 186



195, 128, 90



89, 150, 137



0, 84, 187

Rectangle

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



165, 122, 186



203, 110, 132



89, 150, 137



0, 81, 156

Sweetspot

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



165, 122, 186



234, 218, 242



122, 138, 186



118, 108, 122



250, 250, 250



122, 122, 122

Same Dimension

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



165, 122, 186



210, 143, 242



186, 122, 175



89, 83, 92



105, 0, 156



19, 0, 28

Inverse Universe

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



186, 122, 143



242, 143, 176



122, 177, 186



92, 83, 86



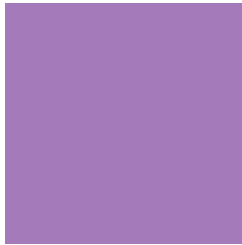
156, 0, 51



28, 0, 9

Previews

White Background



This preview shows how the RYB color 165, 122, 186 looks on a white background.

Color Contrast Check

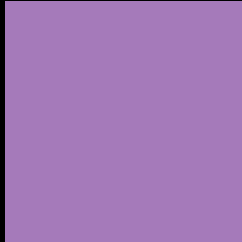
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

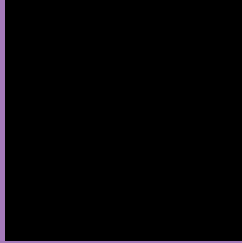
Any Text WCAG AA ✓ Pass

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, 122, 186 Background



This preview shows how black text looks on a background with the RYB color 165, 122, 186.

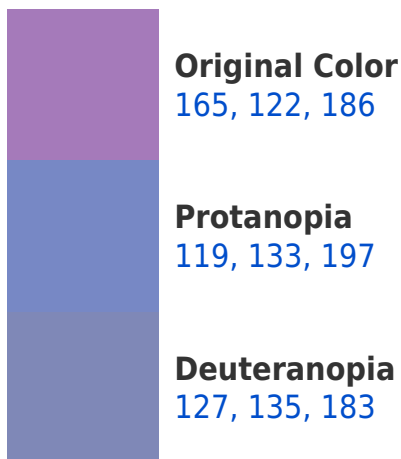



This preview shows how white text looks on a background with the RYB color 165, 122, 186.

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, 131, 141

Trichromacy



Original Color
165, 122, 186

Protanomaly
136, 131, 193

Deuteranomaly
141, 131, 184

Tritanomaly
161, 128, 157

Monochromacy



Original Color
165, 122, 186

Achromatopsia
142, 142, 142

Achromatomaly
150, 135, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 122, 186 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, 122, 186)` looks like.

```
.text, #text, p{  
    color:rgb(165, 122, 186)  
}
```

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, 122, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 122, 186) }
```

Border

The CSS property to change the border of an element to RYB 165, 122, 186 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, 122, 186) }
```

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

```
.border{ border-color:rgb(165, 122, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 122, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 122, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 122, 186);  
box-shadow:4px 4px 4px 4px rgb(165, 122,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 165, 122, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 122, 186) }
```

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

```
.background{ background-color: rgb(165,  
122, 186) }
```

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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