

# Converting Colors

`RYB(169, 116, 165)`

Have a look what the booklet for  
RYB(169, 116, 165) contains.

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# Color

**R<sub>Y</sub>B(169, 116, 165)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A974A5
RGB	169, 116, 165
RGB Percent	66%, 45%, 65%
CMY	0.3373, 0.5451, 0.3529
CMYK	0.00, 0.31, 0.02, 0.34
HSL	305°, 24%, 56%
HSV	305°, 31%, 66%
XYZ	29.3991, 23.6424, 38.6112
YIQ	137.4330, 15.8590, 26.4750

# Conversions

## Conversions Part 2

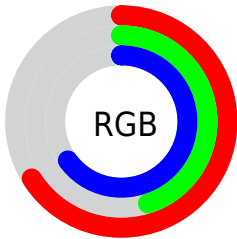
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 116, 165
Decimal	11105445
CIE <sub>Lab</sub>	55.73, 28.97, -17.89
CIE <sub>LCh</sub>	56, 34.052, 328.300
Yxy	23.6424, 0.3208, 0.2580
Android (android.graphics.Color)	4289295525 (0xFFA974A5)
YUV	137.4330, 13.5905, 27.6843
Hunter-Lab	48.6235, 22.8350, -13.0450

# Details

The RYB color **169, 116, 165** is a light color, and the websafe version is hex **996699**. A complement of this color would be **116, 165, 169**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **225, 169, 220**, and **116, 67, 113** is the 20% darker color. If you saturate the color by 10%, you get **169, 99, 164**, and if you desaturate by 10%, it is **169, 133, 166**.

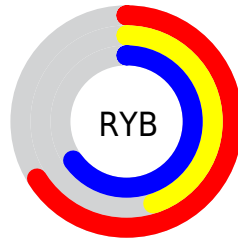
# Distribution



Red (66%)

Green (45%)

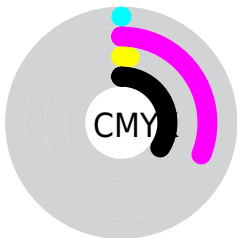
Blue (65%)



Red (66%)

Yellow (45%)

Blue (65%)

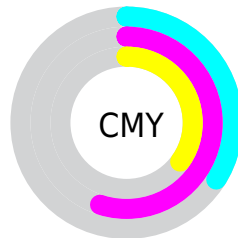


Cyan (0%)

Magenta (31%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (55%)

Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 169, 116, 165 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 169, 116, 165 by changing the saturation by 10% instead.



 169, 116, 165

255, 255, 255

 225, 169, 220

 254, 196, 249


 255, 224, 255

 255, 253, 255

 169, 116, 165


 142, 91, 139

 116, 67, 113

 91, 43, 88

 66, 20, 65

 43, 0, 43


 15, 0, 22

 0, 0, 0

 169, 116, 165

 169, 99, 164

 169, 116, 165

 169, 133, 166

169, 82, 162

169, 150, 168

169, 65, 161

169, 167, 169

169, 48, 160

169, 183, 184

169, 31, 159

169, 198, 200

169, 15, 157

169, 213, 217

169, 0, 156

169, 229, 234

169, 245, 251

169, 249, 255

# Harmonies

## Analogous

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



134, 126, 186



169, 116, 165



188, 110, 136

# Triad

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



169, 116, 165



106, 154, 74



0, 77, 161

# Complementary

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



169, 116, 165



116, 165, 169

# 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.



43, 101, 149



169, 116, 165



80, 140, 96

# Square

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



169, 116, 165



177, 145, 84



88, 135, 146



13, 87, 183

# Rectangle

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



169, 116, 165



191, 111, 116



88, 135, 146



0, 75, 151



# Sweetspot

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



169, 116, 165



219, 200, 218



120, 116, 169



110, 98, 109



237, 237, 237



110, 110, 110



# Same Dimension

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



169, 116, 165



219, 136, 213



169, 116, 139



84, 76, 84



148, 0, 137



20, 0, 19



# Inverse Universe

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



169, 116, 165



219, 136, 213



116, 150, 169



84, 76, 84



148, 0, 137

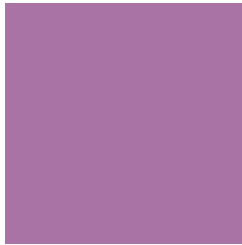


20, 0, 19



# Previews

## White Background



This preview shows how the RYB color 169, 116, 165 looks on a white background.

## Color Contrast Check

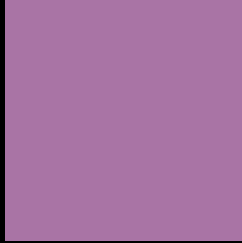
Large Text (above 18pt) WCAG AA ✓ Pass

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 169, 116, 165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

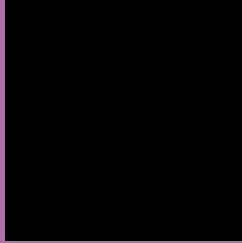
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 169, 116, 165 Background



This preview shows how black text looks on a background with the RYB color 169, 116, 165.

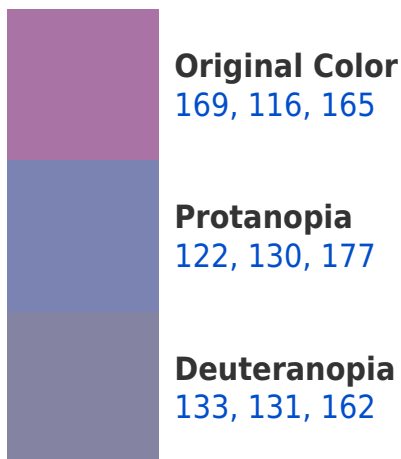


This preview shows how white text looks on a background with the RYB color 169, 116, 165.

# 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**  
165, 122, 132

# Trichromacy



**Original Color**  
169, 116, 165

**Protanomaly**  
139, 126, 173

**Deuteranomaly**  
146, 126, 163

**Tritanomaly**  
166, 120, 144

# Monochromacy



**Original Color**  
169, 116, 165

**Achromatopsia**  
137, 137, 137

**Achromatomaly**  
149, 129, 147

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 169, 116, 165 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(169, 116, 165)` looks like.

```
.text, #text, p{  
    color:rgb(169, 116, 165)  
}
```

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(169, 116, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 116, 165) }
```

## Border

The CSS property to change the border of an element to RYB 169, 116, 165 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(169, 116, 165) }
```

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

```
.border{ border-color:rgb(169, 116, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 116, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 116, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 116, 165);  
box-shadow:4px 4px 4px 4px rgb(169, 116,  
165) }
```

# Background

The CSS property to change the background color of an element to RYB 169, 116, 165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 116, 165) }
```

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

```
.background{ background-color: rgb(169,  
116, 165) }
```

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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