

# Converting Colors

`RYB(166, 139, 162)`

Have a look what the booklet for  
RYB(166, 139, 162) contains.

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# Color

**R<sub>Y</sub>B(166, 139, 162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A68BA2
RGB	166, 139, 162
RGB Percent	65%, 55%, 64%
CMY	0.3490, 0.4549, 0.3647
CMYK	0.00, 0.16, 0.02, 0.35
HSL	309°, 13%, 60%
HSV	309°, 16%, 65%
XYZ	31.4801, 29.1809, 38.1557
YIQ	149.6950, 8.7090, 12.8770

# Conversions

## Conversions Part 2

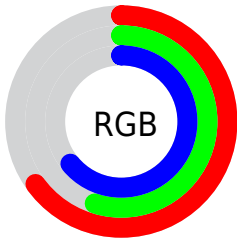
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 139, 162
Decimal	10914722
CIELab	60.94, 14.30, -8.35
CIElCh	61, 16.557, 329.728
Yxy	29.1809, 0.3186, 0.2953
Android (android.graphics.Color)	4289104802 (0xFFA68BA2)
YUV	149.6950, 6.0664, 14.2995
Hunter-Lab	54.0193, 9.4882, -4.0651

# Details

The RYB color **166, 139, 162** is a light color, and the websafe version is hex **999999**. A complement of this color would be **139, 163, 166**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **221, 193, 217**, and **114, 89, 110** is the 20% darker color. If you saturate the color by 10%, you get **166, 122, 160**, and if you desaturate by 10%, it is **166, 156, 164**.

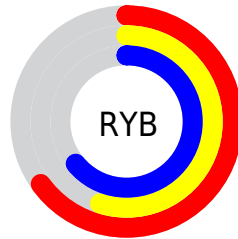
# Distribution



Red (65%)

Green (55%)

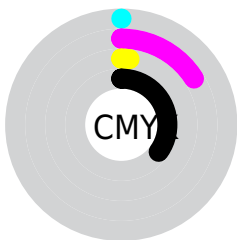
Blue (64%)



Red (65%)

Yellow (55%)

Blue (64%)

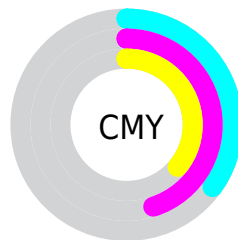


Cyan (0%)

Magenta (16%)

Yellow (2%)

Black (35%)



Cyan (35%)

Magenta (45%)

Yellow (36%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 166, 139, 162 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 166, 139, 162 by changing the saturation by 10% instead.




 166, 139, 162


255, 255, 255

 221, 193, 217

 250, 220, 245

 255, 249, 255

 166, 139, 162

 140, 113, 136

 114, 89, 110

 89, 65, 86

 66, 43, 63


 43, 22, 41

 25, 0, 21

 0, 0, 0

 166, 139, 162


 166, 122, 160


 166, 139, 162

 166, 156, 164

 166, 106, 157

 166, 171, 172

 166, 89, 155

 166, 186, 189

 166, 73, 152

 166, 200, 205

 166, 56, 150

 166, 215, 222

 166, 39, 147

 166, 229, 239

 166, 23, 145

 166, 244, 255

 166, 6, 142

 166, 241, 255

 166, 0, 141

 166, 240, 255

# Harmonies

## Analogous

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



150, 143, 172



166, 139, 162



176, 137, 148

# Triad

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



166, 139, 162



137, 159, 118



108, 133, 161

# Complementary

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



166, 139, 162



139, 163, 166

# 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.



113, 137, 155



166, 139, 162



121, 151, 129

# Square

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



166, 139, 162



171, 153, 122



126, 149, 154



114, 137, 172

# Rectangle

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



166, 139, 162



178, 137, 138



126, 149, 154



108, 132, 156



# Sweetspot

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



166, 139, 162



217, 206, 215



143, 139, 166



110, 103, 109



237, 237, 237



110, 110, 110



# Same Dimension

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



166, 139, 162



217, 173, 210



166, 139, 149



84, 76, 83



148, 0, 126



20, 0, 17



# Inverse Universe

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



166, 139, 162



217, 173, 210



139, 156, 166



84, 76, 83



148, 0, 126

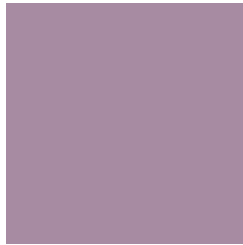


20, 0, 17



# Previews

## White Background



This preview shows how the RYB color 166, 139, 162 looks on a white background.

## Color Contrast Check

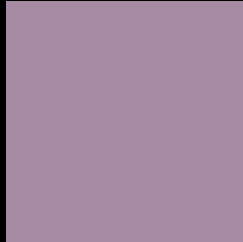
Large Text (above 18pt) WCAG AA ✓ Pass

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 166, 139, 162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

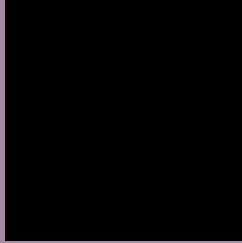
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYP 166, 139, 162 Background



This preview shows how black text looks on a background with the RYP color 166, 139, 162.



This preview shows how white text looks on a background with the RYP color 166, 139, 162.

# 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**


166, 139, 162

**Protanopia**

144, 146, 167

**Deuteranopia**

155, 143, 161



**Tritanopia**  
165, 141, 152

# Trichromacy



**Original Color**  
166, 139, 162

**Protanomaly**  
152, 143, 165

**Deuteranomaly**  
159, 142, 161

**Tritanomaly**  
165, 140, 156

# Monochromacy



**Original Color**  
166, 139, 162

**Achromatopsia**  
150, 150, 150

**Achromatomaly**  
156, 146, 154

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 166, 139, 162 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(166, 139, 162) looks like.

```
.text, #text, p{  
    color:rgb(166, 139, 162)  
}
```

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(166, 139, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 139, 162) }
```

## Border

The CSS property to change the border of an element to RYB 166, 139, 162 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(166, 139, 162) }
```

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

```
.border{ border-color:rgb(166, 139, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 139, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 139, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 139, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 139,  
162) }
```

# Background

The CSS property to change the background color of an element to RYB 166, 139, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 139, 162) }
```

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

```
.background{ background-color: rgb(166,  
139, 162) }
```

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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