

# Converting Colors

`RYB(166, 138, 170)`

Have a look what the booklet for  
RYB(166, 138, 170) contains.

<b>RYB(166, 138, 170)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(166, 138, 170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A68AAA
RGB	166, 138, 170
RGB Percent	65%, 54%, 67%
CMY	0.3490, 0.4588, 0.3333
CMYK	0.02, 0.19, 0.00, 0.33
HSL	292°, 16%, 60%
HSV	292°, 19%, 67%
XYZ	32.0701, 29.1862, 41.9734
YIQ	150.0200, 6.4160, 15.8880

# Conversions

## Conversions Part 2

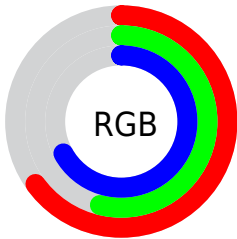
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 138, 170
Decimal	10914474
CIELab	60.95, 16.43, -12.89
CIELCh	61, 20.882, 321.873
Yxy	29.1862, 0.3107, 0.2827
Android (android.graphics.Color)	4289104554 (0xFFA68AAA)
YUV	150.0200, 9.8501, 14.0145
Hunter-Lab	54.0243, 11.4192, -8.2476

# Details

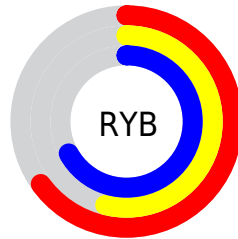
The RYB color **166, 138, 170** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **138, 170, 166**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **221, 192, 225**, and **114, 88, 118** is the 20% darker color. If you saturate the color by 10%, you get **164, 121, 170**, and if you desaturate by 10%, it is **168, 155, 170**.

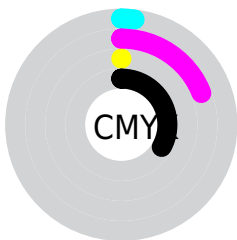
# Distribution



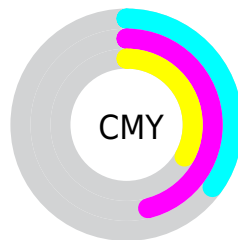
- Red (65%)
- Green (54%)
- Blue (67%)



- Red (65%)
- Yellow (54%)
- Blue (67%)



- Cyan (2%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (46%)
- Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 166, 138, 170 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, 138, 170 by changing the saturation by 10% instead.



 166, 138, 170

255, 255, 255

 221, 192, 225


 250, 219, 254

 255, 248, 255

 166, 138, 170

 139, 112, 143

 114, 88, 118

 89, 64, 93

 65, 42, 69

 43, 21, 47

 25, 0, 27

 0, 0, 0

 166, 138, 170

 164, 121, 170

 166, 138, 170

 168, 155, 170

162, 104, 170

170, 172, 172

160, 87, 170

170, 189, 187

157, 70, 170

170, 206, 202

155, 53, 170

170, 223, 216

153, 36, 170

170, 240, 231

151, 19, 170

170, 255, 244

149, 2, 170

170, 255, 242

149, 0, 170

170, 255, 240

# Harmonies

## Analogous

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



143, 144, 181



166, 138, 170



181, 134, 153

# Triad

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



166, 138, 170



148, 166, 111



95, 127, 160

# Complementary

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



166, 138, 170



138, 170, 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.



106, 136, 157



166, 138, 170



113, 150, 116

# Square

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



166, 138, 170



179, 147, 119



124, 155, 154



99, 131, 175

# Rectangle

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



166, 138, 170



185, 134, 140



124, 155, 154



97, 129, 158



# Sweetspot

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



166, 138, 170



220, 209, 222



138, 142, 170



111, 104, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



166, 138, 170



215, 171, 222



170, 138, 158



83, 76, 84



129, 0, 148



18, 0, 20



# Inverse Universe

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



170, 138, 142



222, 171, 177



138, 161, 170



84, 76, 77



148, 0, 18

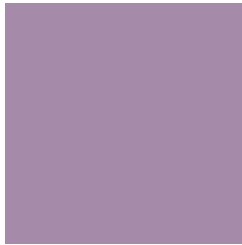


20, 0, 3



# Previews

## White Background



This preview shows how the RYB color 166, 138, 170 looks on a white background.

## Color Contrast Check

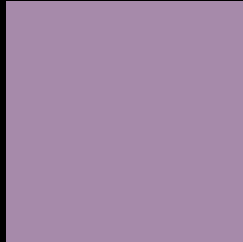
Large Text (above 18pt) WCAG AA ✓ Pass

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, 138, 170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

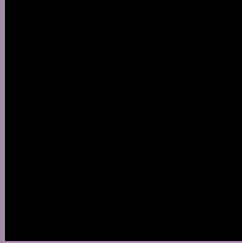
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 166, 138, 170 Background



This preview shows how black text looks on a background with the RYB color 166, 138, 170.



This preview shows how white text looks on a background with the RYB color 166, 138, 170.

# 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, 138, 170

**Protanopia**  
141, 145, 175

**Deuteranopia**  
151, 144, 169



**Tritanopia**  
163, 141, 152

# Trichromacy



**Original Color**  
166, 138, 170

**Protanomaly**  
150, 143, 173

**Deuteranomaly**  
156, 142, 169

**Tritanomaly**  
164, 140, 159

# Monochromacy



**Original Color**  
166, 138, 170

**Achromatopsia**  
150, 150, 150

**Achromatomaly**  
156, 146, 157

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 166, 138, 170 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, 138, 170)` looks like.

```
.text, #text, p{  
    color:rgb(166, 138, 170)  
}
```

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, 138, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 170) }
```

## Border

The CSS property to change the border of an element to RYB 166, 138, 170 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, 138, 170) }
```

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

```
.border{ border-color:rgb(166, 138, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 138, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 138, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 138, 170);  
box-shadow:4px 4px 4px 4px rgb(166, 138,  
170) }
```

# Background

The CSS property to change the background color of an element to RYB 166, 138, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 138, 170) }
```

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

```
.background{ background-color: rgb(166,  
138, 170) }
```

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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