

# Converting Colors

`RYB(172, 108, 161)`

Have a look what the booklet for  
RYB(172, 108, 161) contains.

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# Color

**`RYB(172, 108, 161)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC6CA1
RGB	172, 108, 161
RGB Percent	67%, 42%, 63%
CMY	0.3255, 0.5765, 0.3686
CMYK	0.00, 0.37, 0.06, 0.33
HSL	310°, 28%, 55%
HSV	310°, 37%, 67%
XYZ	28.8088, 22.0690, 36.4596
YIQ	133.1780, 21.1310, 30.0510

# Conversions

## Conversions Part 2

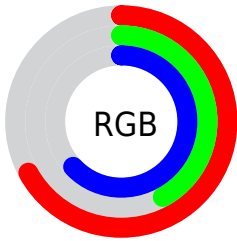
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 108, 161
Decimal	11300001
CIE <sub>Lab</sub>	54.10, 33.71, -18.02
CIE <sub>LCh</sub>	54, 38.224, 331.873
Yxy	22.0690, 0.3299, 0.2527
Android (android.graphics.Color)	4289490081 (0xFFAC6CA1)
YUV	133.1780, 13.7162, 34.0469
Hunter-Lab	46.9776, 27.2535, -13.1309

# Details

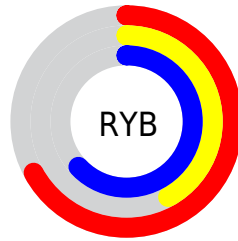
The RYB color **172, 108, 161** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **108, 163, 172**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **228, 161, 216**, and **118, 58, 109** is the 20% darker color. If you saturate the color by 10%, you get **172, 91, 158**, and if you desaturate by 10%, it is **172, 125, 164**.

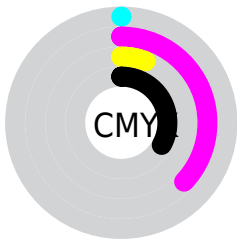
# Distribution



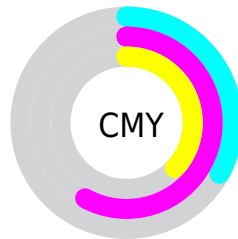
- Red (67%)
- Green (42%)
- Blue (63%)



- Red (67%)
- Yellow (42%)
- Blue (63%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 108, 161 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 172, 108, 161 by changing the saturation by 10% instead.



 172, 108, 161


255, 255, 255

 228, 161, 216

 255, 188, 244


 255, 216, 255

 255, 245, 255

 172, 108, 161

 145, 83, 135

 118, 58, 109

 93, 34, 85

 68, 8, 62


 45, 0, 40


 12, 0, 18

 0, 0, 0

 172, 108, 161

 172, 91, 158

 172, 108, 161

 172, 125, 164

172, 74, 155

172, 142, 167

172, 56, 152

172, 160, 170

172, 39, 149

172, 176, 177

172, 22, 146

172, 191, 194

172, 5, 143

172, 205, 211

172, 0, 142

172, 220, 228

172, 235, 246

172, 242, 255

# Harmonies

## Analogous

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



135, 120, 185



172, 108, 161



190, 102, 129

# Triad

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



172, 108, 161



86, 147, 62



0, 77, 163

# Complementary

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



172, 108, 161



108, 163, 172

# 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, 77, 146



172, 108, 161



71, 138, 96

# Square

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



172, 108, 161



174, 149, 72



71, 125, 144



0, 80, 187

# Rectangle

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



172, 108, 161



192, 104, 107



71, 125, 144



0, 75, 153



# Sweetspot

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



172, 108, 161



224, 200, 220



119, 108, 172



112, 98, 110



240, 240, 240



112, 112, 112



# Same Dimension

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



172, 108, 161



224, 123, 207



172, 108, 129



87, 78, 85



150, 0, 125



23, 0, 19



# Inverse Universe

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



172, 108, 161



224, 123, 207



108, 146, 172



87, 78, 85



150, 0, 125

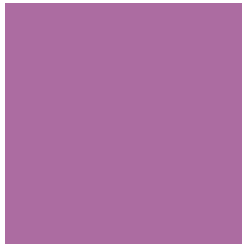


23, 0, 19



# Previews

## White Background



This preview shows how the RYB color 172, 108, 161 looks on a white background.

## Color Contrast Check

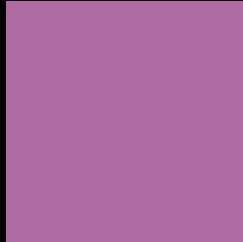
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 108, 161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

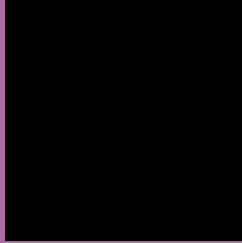
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 172, 108, 161 Background**



This preview shows how black text looks on a background with the RYB color 172, 108, 161.

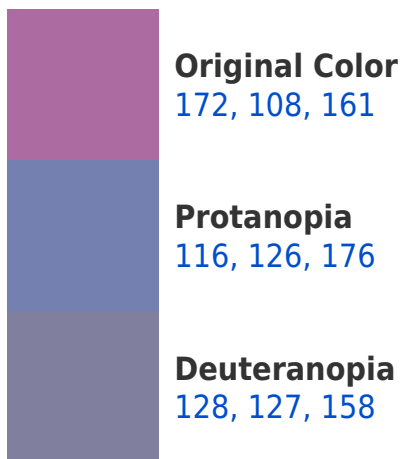



This preview shows how white text looks on a background with the RYB color 172, 108, 161.

# 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**  
167, 115, 124

# Trichromacy



**Original Color**  
172, 108, 161

**Protanomaly**  
136, 121, 171

**Deuteranomaly**  
144, 120, 159

**Tritanomaly**  
169, 112, 137

# Monochromacy



**Original Color**  
172, 108, 161

**Achromatopsia**  
133, 133, 133

**Achromatomaly**  
147, 124, 143

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 108, 161 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(172, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(172, 108, 161)  
}
```

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(172, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 108, 161) }
```

## Border

The CSS property to change the border of an element to RYB 172, 108, 161 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(172, 108, 161) }
```

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

```
.border{ border-color:rgb(172, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(172, 108,  
161) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 108, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 108, 161) }
```

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

```
.background{ background-color: rgb(172,  
108, 161) }
```

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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