

# Converting Colors

`RYB(167, 161, 172)`

Have a look what the booklet for  
RYB(167, 161, 172) contains.

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# **Color**

**R<sub>Y</sub>B(167, 161, 172)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7A1AC
RGB	167, 161, 172
RGB Percent	65%, 63%, 67%
CMY	0.3451, 0.3686, 0.3255
CMYK	0.03, 0.06, 0.00, 0.33
HSL	273°, 6%, 65%
HSV	273°, 6%, 67%
XYZ	36.1276, 36.6838, 44.2063
YIQ	164.0480, 0.0450, 4.6930

# Conversions

## Conversions Part 2

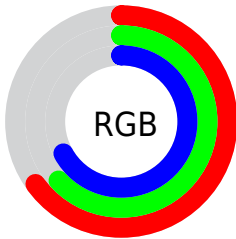
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 161, 172
Decimal	10985900
CIELab	67.04, 4.26, -4.92
CIELCh	67, 6.513, 310.890
Yxy	36.6838, 0.3087, 0.3135
Android (android.graphics.Color)	4289175980 (0xFFA7A1AC)
YUV	164.0480, 3.9203, 2.5889
Hunter-Lab	60.5671, 0.4807, -0.8771

# Details

The RYB color **167, 161, 172** is a light color, and the websafe version is hex **999999**. A complement of this color would be **161, 172, 167**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **222, 216, 227**, and **115, 110, 120** is the 20% darker color. If you saturate the color by 10%, you get **159, 144, 172**, and if you desaturate by 10%, it is **172, 178, 175**.

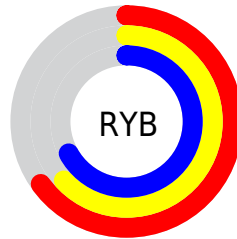
# Distribution



Red (65%)

Green (63%)

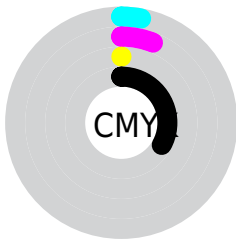
Blue (67%)



Red (65%)

Yellow (63%)

Blue (67%)

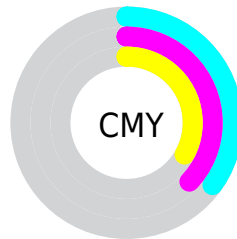


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (37%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 167, 161, 172 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 167, 161, 172 by changing the saturation by 10% instead.



■ 167, 161, 172

255, 255, 255

■ 222, 216, 227

■ 251, 244, 255

■ 167, 161, 172

■ 141, 135, 145

■ 115, 110, 120

■ 91, 85, 95

■ 67, 62, 71

■ 45, 40, 49

■ 24, 20, 28

■ 0, 0, 0

■ 167, 161, 172

■ 159, 144, 172

■ 167, 161, 172

■ 172, 178, 175

151, 127, 172

172, 195, 184

144, 109, 172

172, 213, 195

136, 92, 172

172, 230, 204

128, 75, 172

172, 247, 213

120, 58, 172

172, 255, 213

112, 41, 172

172, 255, 205

104, 23, 172

172, 255, 197

97, 6, 172

172, 255, 190

# Harmonies

## Analogous

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



160, 163, 175



167, 161, 172



173, 160, 167

# Triad

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



167, 161, 172



172, 168, 152



149, 159, 167

# Complementary

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



167, 161, 172



161, 172, 167

# 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.



153, 162, 166



167, 161, 172



156, 166, 152

# Square

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



167, 161, 172



175, 161, 156



154, 165, 160



149, 159, 171

# Rectangle

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



167, 161, 172



175, 159, 163



154, 165, 160



150, 160, 167



# Sweetspot

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



167, 161, 172



222, 220, 224



161, 164, 172



111, 110, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



167, 161, 172



216, 206, 224



172, 161, 172



83, 78, 87



82, 0, 150



13, 0, 23



# Inverse Universe

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



172, 161, 166



224, 206, 215



161, 172, 172



87, 78, 82



150, 0, 68



23, 0, 10



# Previews

## White Background



This preview shows how the RYB color 167, 161, 172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 167, 161, 172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

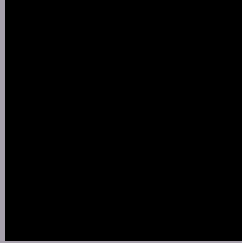
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

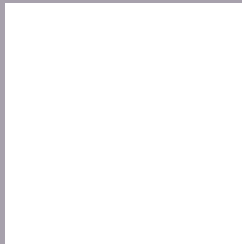
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 167, 161, 172 Background**



This preview shows how black text looks on a background with the RYB color 167, 161, 172.



This preview shows how white text looks on a background with the RYB color 167, 161, 172.

# 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


[167](#), [161](#), [172](#)

### Protanopia

[163](#), [162](#), [173](#)

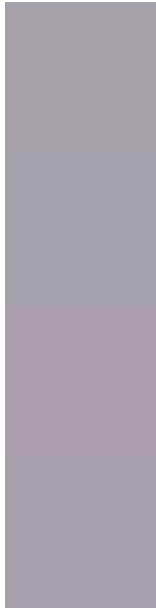
### Deuteranopia

[175](#), [158](#), [173](#)



**Tritanopia**  
167, 161, 173

# Trichromacy



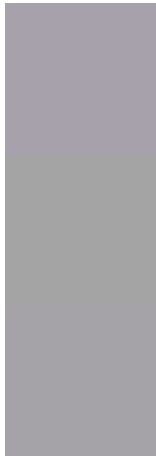
**Original Color**  
167, 161, 172

**Protanomaly**  
164, 162, 173

**Deuteranomaly**  
172, 159, 173

**Tritanomaly**  
167, 161, 173

# Monochromacy



**Original Color**  
167, 161, 172

**Achromatopsia**  
164, 164, 164

**Achromatomaly**  
165, 163, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 167, 161, 172 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(167, 161, 172) looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 172)  
}
```

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(167, 161, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 172) }
```

## Border

The CSS property to change the border of an element to RYB 167, 161, 172 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(167, 161, 172) }
```

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

```
.border{ border-color:rgb(167, 161, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 172);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
172) }
```

# Background

The CSS property to change the background color of an element to RYB 167, 161, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 172) }
```

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

```
.background{ background-color: rgb(167,  
161, 172) }
```

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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