

# Converting Colors

`RYB(172, 116, 184)`

Have a look what the booklet for  
RYB(172, 116, 184) contains.

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# Color

**R<sub>Y</sub>B(172, 116, 184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC74B8
RGB	172, 116, 184
RGB Percent	67%, 45%, 72%
CMY	0.3255, 0.5451, 0.2784
CMYK	0.07, 0.37, 0.00, 0.28
HSL	289°, 32%, 59%
HSV	289°, 37%, 72%
XYZ	31.9104, 24.7221, 48.4374
YIQ	140.4960, 11.5480, 33.0200

# Conversions

## Conversions Part 2

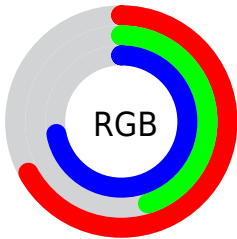
Format	Color
R <sub>YB</sub>	172, 116, 184
Decimal	11302072
CIE Lab	56.80, 33.70, -27.15
CIE LCh	57, 43.279, 321.143
Yxy	24.7221, 0.3037, 0.2353
Android (android.graphics.Color)	4289492152 (0xFFAC74B8)
YUV	140.4960, 21.4475, 27.6290
Hunter-Lab	49.7214, 27.5461, -22.9540

# Details

The RYB color **172, 116, 184** is a light color, and the websafe version is hex **996699**. A complement of this color would be **116, 184, 172**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **228, 169, 240**, and **118, 66, 131** is the 20% darker color. If you saturate the color by 10%, you get **169, 98, 184**, and if you desaturate by 10%, it is **175, 134, 184**.

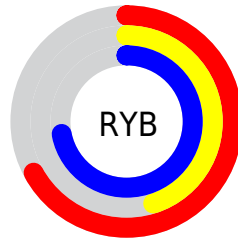
# Distribution



Red (67%)

Green (45%)

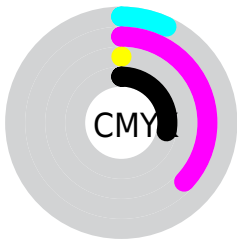
Blue (72%)



Red (67%)

Yellow (45%)

Blue (72%)

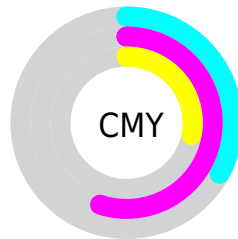


Cyan (7%)

Magenta (37%)

Yellow (0%)

Black (28%)



Cyan (33%)

Magenta (55%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 116, 184 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, 116, 184 by changing the saturation by 10% instead.



 172, 116, 184

255, 255, 255


 228, 169, 240

 255, 197, 255

 255, 225, 255

255, 254, 255

 172, 116, 184

 172, 116, 184


 145, 91, 157

 118, 66, 131

 93, 42, 105


 68, 18, 81

 44, 0, 58

 21, 0, 36

 0, 0, 11

 0, 0, 0

 172, 116, 184

 169, 98, 184

 175, 134, 184

 166, 79, 184

 178, 153, 184

 162, 61, 184

 182, 171, 184

 159, 42, 184

 184, 190, 189

 156, 24, 184

 184, 208, 204

 153, 6, 184

 184, 226, 219

 152, 0, 184

 184, 245, 234

 184, 255, 241

 184, 255, 238

# Harmonies

## Analogous

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



121, 130, 207



172, 116, 184



200, 106, 149

# Triad

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



172, 116, 184



119, 168, 60



0, 79, 162

# Complementary

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



172, 116, 184



116, 184, 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, 86, 155



172, 116, 184



63, 142, 73

# Square

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



172, 116, 184



195, 133, 79



87, 150, 149



0, 85, 194

# Rectangle

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



172, 116, 184



207, 104, 124



87, 150, 149



0, 79, 155



# Sweetspot

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



172, 116, 184



235, 213, 240



116, 126, 184



117, 104, 120



247, 247, 247



120, 120, 120



# Same Dimension

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



172, 116, 184



221, 134, 240



184, 116, 162



90, 83, 92



128, 0, 156



23, 0, 28



# Inverse Universe

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



184, 116, 128



240, 134, 153



116, 167, 184



92, 83, 84



156, 0, 27



28, 0, 5



# Previews

## White Background



This preview shows how the RYB color 172, 116, 184 looks on a white background.

## Color Contrast Check

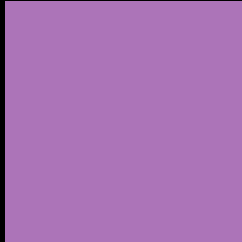
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116, 184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

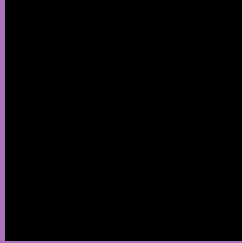
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 172, 116, 184 Background



This preview shows how black text looks on a background with the RYB color 172, 116, 184.

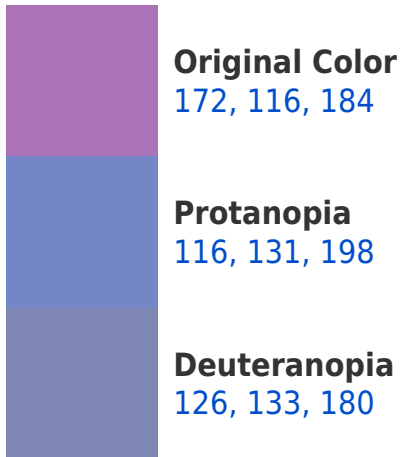


This preview shows how white text looks on a background with the RYB color 172, 116, 184.

# 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, 126, 136

# Trichromacy



**Original Color**  
172, 116, 184

**Protanomaly**  
136, 127, 193

**Deuteranomaly**  
143, 127, 181

**Tritanomaly**  
168, 122, 153

# Monochromacy



**Original Color**  
172, 116, 184

**Achromatopsia**  
140, 140, 140

**Achromatomaly**  
152, 131, 156

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 116, 184 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, 116, 184)` looks like.

```
.text, #text, p{  
    color:rgb(172, 116, 184)  
}
```

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, 116, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 116, 184) }
```

## Border

The CSS property to change the border of an element to RYB 172, 116, 184 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, 116, 184) }
```

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

```
.border{ border-color:rgb(172, 116, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 116, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 116, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 116, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 116,  
184) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 116, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 116, 184) }
```

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

```
.background{ background-color: rgb(172,  
116, 184) }
```

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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