

# Converting Colors

`RYB(172, 144, 185)`

Have a look what the booklet for RYB(172, 144, 185) contains.

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# **Color**

**$\text{RYB}(172, 144, 185)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC90B9
RGB	172, 144, 185
RGB Percent	67%, 56%, 73%
CMY	0.3255, 0.4353, 0.2745
CMYK	0.07, 0.22, 0.00, 0.27
HSL	281°, 23%, 65%
HSV	281°, 22%, 73%
XYZ	35.7435, 32.2200, 50.2341
YIQ	157.0460, 3.5270, 18.6870

# Conversions

## Conversions Part 2

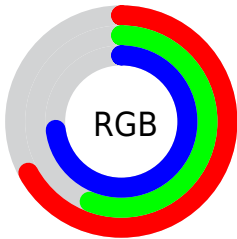
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">172, 144, 185</a>
Decimal	<a href="#">11309241</a>
CIELab	<a href="#">63.52, 18.13, -17.43</a>
CIElCh	<a href="#">64, 25.146, 316.120</a>
Yxy	<a href="#">32.2200, 0.3024, 0.2726</a>
Android (android.graphics.Color)	<a href="#">4289499321 (0xFFAC90B9)</a>
YUV	<a href="#">157.0460, 13.7813, 13.1147</a>
Hunter-Lab	<a href="#">56.7626, 13.0670, -12.7370</a>

# Details

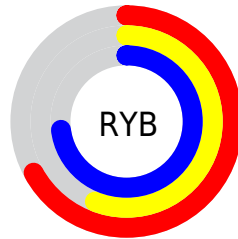
The RYB color **172, 144, 185** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **144, 185, 172**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **228, 198, 241**, and **119, 93, 132** is the 20% darker color. If you saturate the color by 10%, you get **166, 126, 185**, and if you desaturate by 10%, it is **178, 163, 185**.

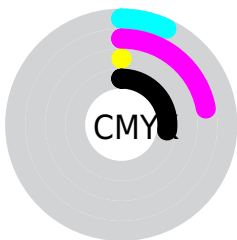
# Distribution



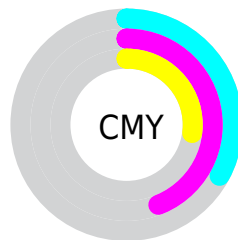
- Red (67%)
- Green (56%)
- Blue (73%)



- Red (67%)
- Yellow (56%)
- Blue (73%)



- Cyan (7%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (44%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 144, 185 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, 144, 185 by changing the saturation by 10% instead.




 172, 144, 185

255, 255, 255

 228, 198, 241


 255, 226, 255

 172, 144, 185

 145, 118, 158


 119, 93, 132

 94, 70, 107


 70, 47, 82


 47, 26, 59

 28, 1, 37

 0, 1, 15

 0, 0, 0

 172, 144, 185

 172, 144, 185

166, 126, 185

178, 163, 185

160, 107, 185

184, 181, 185

154, 89, 185

185, 200, 195

149, 70, 185

185, 218, 208

143, 52, 185

185, 237, 221

137, 33, 185

185, 255, 233

131, 14, 185

185, 255, 227

126, 0, 185

185, 255, 221

185, 255, 215

# Harmonies

## Analogous

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



143, 151, 197



172, 144, 185



192, 139, 165

# Triad

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



172, 144, 185



165, 179, 111



88, 127, 166

# Complementary

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



172, 144, 185



144, 185, 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.



107, 144, 166



172, 144, 185



113, 158, 111

# Square

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



172, 144, 185



194, 149, 123



122, 162, 152



89, 131, 185

# Rectangle

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



172, 144, 185



198, 137, 150



122, 162, 152



93, 132, 166



# Sweetspot

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



172, 144, 185



234, 223, 240



144, 154, 185



117, 110, 120



247, 247, 247



120, 120, 120



# Same Dimension

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



172, 144, 185



219, 175, 240



185, 144, 178



89, 83, 92



106, 0, 156



19, 0, 28



# Inverse Universe

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



185, 144, 157



240, 175, 196



144, 179, 185



92, 83, 86



156, 0, 49



28, 0, 9



# Previews

## White Background



This preview shows how the RYB color 172, 144, 185 looks on a white background.

## Color Contrast Check

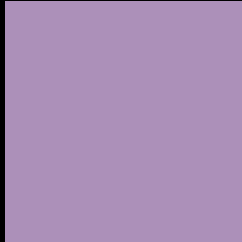
Large Text (above 18pt) WCAG AA × Fail

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 172, 144, 185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

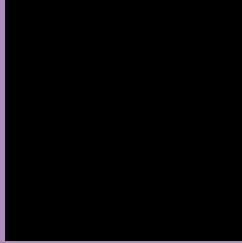
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 172, 144, 185 Background



This preview shows how black text looks on a background with the RYB color 172, 144, 185.



This preview shows how white text looks on a background with the RYB color 172, 144, 185.

# 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**  
172, 144, 185

**Protanopia**  
145, 151, 191

**Deuteranopia**  
154, 150, 184



**Tritanopia**  
168, 148, 160

# Trichromacy



**Original Color**  
172, 144, 185

**Protanomaly**  
155, 149, 189

**Deuteranomaly**  
161, 148, 184

**Tritanomaly**  
169, 147, 169

# Monochromacy



**Original Color**  
172, 144, 185

**Achromatopsia**  
157, 157, 157

**Achromatomaly**  
162, 152, 167

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 144, 185 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, 144, 185)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 185)  
}
```

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, 144, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 185) }
```

## Border

The CSS property to change the border of an element to RYB 172, 144, 185 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, 144, 185) }
```

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

```
.border{ border-color:rgb(172, 144, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 185);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
185) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 144, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 185) }
```

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

```
.background{ background-color: rgb(172,  
144, 185) }
```

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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