

# Converting Colors

`RYB(180, 140, 159)`

Have a look what the booklet for  
RYB(180, 140, 159) contains.

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# Color

**R<sub>Y</sub>B(180, 140, 159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B48C9F
RGB	180, 140, 159
RGB Percent	71%, 55%, 62%
CMY	0.2941, 0.4510, 0.3765
CMYK	0.00, 0.22, 0.12, 0.29
HSL	332°, 21%, 63%
HSV	332°, 22%, 71%
XYZ	34.4585, 30.9627, 36.9611
YIQ	154.1260, 17.7410, 14.3890

# Conversions

## Conversions Part 2

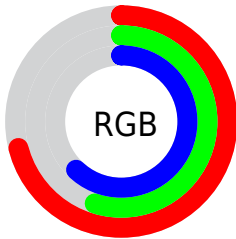
Format	Color
R <sub>Y</sub> B	180, 140, 159
Decimal	11832479
CIE Lab	62.48, 18.27, -4.21
CIE LCh	62, 18.745, 347.012
Yxy	30.9627, 0.3366, 0.3024
Android (android.graphics.Color)	4290022559 (0xFFB48C9F)
YUV	154.1260, 2.4029, 22.6915
Hunter-Lab	55.6441, 13.1617, -0.4320

# Details

The RYB color **180, 140, 159** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **140, 166, 180**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **236, 194, 214**, and **127, 90, 108** is the 20% darker color. If you saturate the color by 10%, you get **180, 122, 150**, and if you desaturate by 10%, it is **180, 158, 168**.

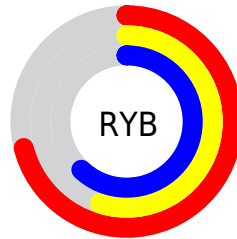
# Distribution



Red (71%)

Green (55%)

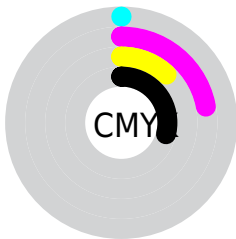
Blue (62%)



Red (71%)

Yellow (55%)

Blue (62%)

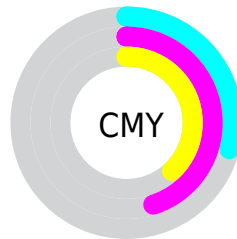


Cyan (0%)

Magenta (22%)

Yellow (12%)

Black (29%)



Cyan (29%)

Magenta (45%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 180, 140, 159 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 180, 140, 159 by changing the saturation by 10% instead.




 180, 140, 159

255, 255, 255

 236, 194, 214


 255, 222, 242

 255, 250, 255

 180, 140, 159

 153, 114, 133

 127, 90, 108

 101, 66, 83

 77, 43, 60


 53, 22, 39

 34, 0, 18

 0, 0, 0

 180, 140, 159

 180, 122, 150

 180, 140, 159

 180, 158, 168

180, 104, 140

180, 176, 178

180, 86, 131

180, 189, 194

180, 68, 121

180, 201, 212

180, 50, 112

180, 213, 230

180, 32, 102

180, 224, 248

180, 14, 93

180, 227, 255

180, 0, 86

180, 223, 255

180, 220, 255

# Harmonies

## Analogous

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



165, 144, 174



180, 140, 159



186, 140, 142

# Triad

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



180, 140, 159



120, 154, 119



108, 137, 175

# Complementary

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



180, 140, 159



140, 166, 180

# 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, 134, 161



180, 140, 159



128, 157, 150

# Square

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



180, 140, 159



164, 171, 119



117, 144, 160



123, 144, 183

# Rectangle

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



180, 140, 159



184, 143, 132



117, 144, 160



106, 135, 170



# Sweetspot

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



180, 140, 159



235, 218, 226



161, 140, 180



117, 108, 112



245, 245, 245



117, 117, 117



# Same Dimension

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



180, 140, 159



235, 171, 201



180, 141, 140



89, 80, 85



153, 0, 73



26, 0, 12



# Inverse Universe

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



180, 140, 159



235, 171, 201



140, 160, 180



89, 80, 85



153, 0, 73

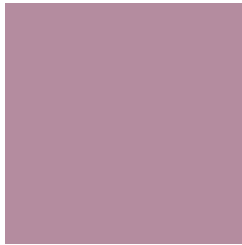


26, 0, 12



# Previews

## White Background



This preview shows how the RYB color 180, 140, 159 looks on a white background.

## Color Contrast Check

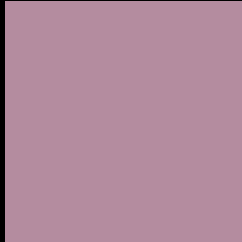
Large Text (above 18pt) WCAG AA × Fail

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 180, 140, 159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

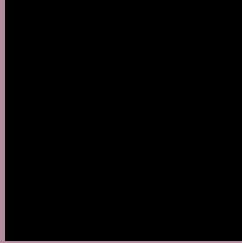
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 180, 140, 159 Background



This preview shows how black text looks on a background with the RYB color 180, 140, 159.



This preview shows how white text looks on a background with the RYB color 180, 140, 159.

# 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**


180, 140, 159

**Protanopia**

150, 150, 165

**Deuteranopia**

163, 147, 158



**Tritanopia**  
179, 141, 152

# Trichromacy



**Original Color**

180, 140, 159

**Protanomaly**

161, 146, 163

**Deuteranomaly**

169, 144, 158

**Tritanomaly**

179, 141, 155

# Monochromacy



**Original Color**

180, 140, 159

**Achromatopsia**

154, 154, 154

**Achromatomaly**

163, 149, 156

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 180, 140, 159 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(180, 140, 159) looks like.

```
.text, #text, p{  
    color:rgb(180, 140, 159)  
}
```

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(180, 140, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 140, 159) }
```

## Border

The CSS property to change the border of an element to RYB 180, 140, 159 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(180, 140, 159) }
```

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

```
.border{ border-color:rgb(180, 140, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 140, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 140, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 140, 159);  
box-shadow:4px 4px 4px 4px rgb(180, 140,  
159) }
```

# Background

The CSS property to change the background color of an element to RYB 180, 140, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 140, 159) }
```

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

```
.background{ background-color: rgb(180,  
140, 159) }
```

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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