

# Converting Colors

`RYB(187, 177, 180)`

Have a look what the booklet for  
RYB(187, 177, 180) contains.

<b>RYB(187, 177, 180)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(187, 177, 180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB1B4
RGB	187, 177, 180
RGB Percent	73%, 69%, 71%
CMY	0.2667, 0.3059, 0.2941
CMYK	0.00, 0.05, 0.04, 0.27
HSL	342°, 7%, 71%
HSV	342°, 5%, 73%
XYZ	44.4539, 45.3044, 49.5817
YIQ	180.3320, 4.9970, 3.0530

# Conversions

## Conversions Part 2

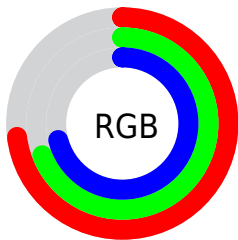
Format	Color
<a href="#">RYB</a>	<a href="#">187, 177, 180</a>
Decimal	<a href="#">12300724</a>
CIELab	<a href="#">73.09, 4.10, -0.26</a>
CIELCh	<a href="#">73, 4.107, 356.341</a>
Yxy	<a href="#">45.3044, 0.3190, 0.3251</a>
Android (android.graphics.Color)	<a href="#">4290490804</a> ( <a href="#">0xFFBBB1B4</a> )
YUV	<a href="#">180.3320, -0.1637, 5.8478</a>
Hunter-Lab	<a href="#">67.3085, 0.1003, 3.4410</a>

# Details

The RYB color **187, 177, 180** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **177, 183, 187**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **243, 233, 236**, and **134, 124, 127** is the 20% darker color. If you saturate the color by 10%, you get **187, 158, 167**, and if you desaturate by 10%, it is **187, 192, 196**.

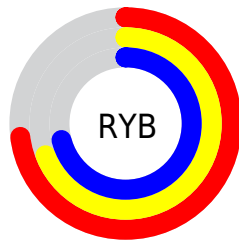
# Distribution



Red (73%)

Green (69%)

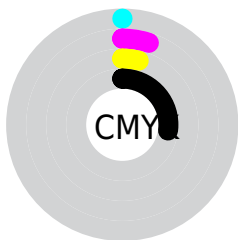
Blue (71%)



Red (73%)

Yellow (69%)

Blue (71%)

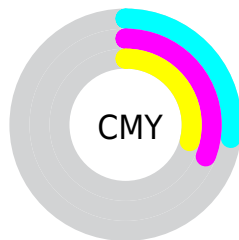


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 187, 177, 180 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 187, 177, 180 by changing the saturation by 10% instead.



■ 187, 177, 180

255, 255, 255

■ 243, 233, 236

■ 187, 177, 180

■ 160, 150, 153

■ 134, 124, 127

■ 109, 100, 102

■ 84, 76, 78

■ 61, 53, 56


■ 39, 32, 34

■ 19, 8, 12


■ 0, 0, 0

■ 187, 177, 180

■ 187, 177, 180

 187, 158, 167


 187, 192, 196

 187, 140, 154

 187, 203, 214

 187, 121, 141

 187, 214, 233

 187, 102, 128

 187, 225, 252

 187, 84, 115

 187, 224, 255

 187, 65, 101

 187, 221, 255

 187, 46, 88

 187, 27, 75

 187, 9, 62

# Harmonies

## Analogous

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



184, 178, 184



187, 177, 180



188, 177, 176

# Triad

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



187, 177, 180



173, 180, 174



172, 177, 186

# Complementary

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



187, 177, 180



177, 183, 187

# 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.



170, 176, 183



187, 177, 180



175, 181, 181

# Square

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



187, 177, 180



178, 183, 172



172, 178, 182



175, 179, 187

# Rectangle

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



187, 177, 180



187, 180, 174



172, 178, 182



171, 177, 185

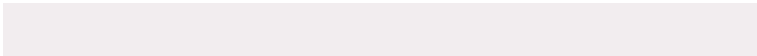


# Sweetspot

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



187, 177, 180



242, 237, 239



184, 177, 187



122, 120, 121



250, 250, 250



122, 122, 122



# Same Dimension

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



187, 177, 180



242, 228, 232



187, 180, 177



94, 88, 90



158, 0, 47



31, 0, 9



# Inverse Universe

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



187, 177, 180



242, 228, 232



177, 181, 187



94, 88, 90



158, 0, 47

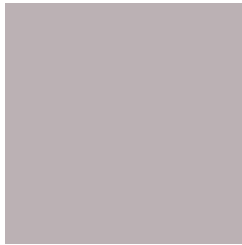


31, 0, 9



# Previews

## White Background



This preview shows how the RYB color 187, 177, 180 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 187, 177, 180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

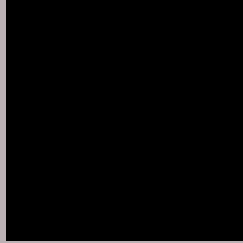
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

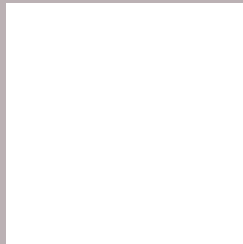
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R/Y/B 187, 177, 180 Background



This preview shows how black text looks on a background with the R/Y/B color 187, 177, 180.



This preview shows how white text looks on a background with the R/Y/B color 187, 177, 180.

# 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


187, 177, 180

### Protanopia

182, 179, 181

### Deuteranopia

196, 174, 181



**Tritanopia**  
188, 176, 189

# Trichromacy



**Original Color**

187, 177, 180

**Protanomaly**

184, 178, 181

**Deuteranomaly**

193, 175, 181

**Tritanomaly**

188, 176, 186

# Monochromacy



**Original Color**

187, 177, 180

**Achromatopsia**

180, 180, 180

**Achromatomaly**

183, 179, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 187, 177, 180 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(187, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(187, 177, 180)  
}
```

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(187, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 177, 180) }
```

## Border

The CSS property to change the border of an element to RYB 187, 177, 180 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(187, 177, 180) }
```

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

```
.border{ border-color:rgb(187, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(187, 177,  
180) }
```

# Background

The CSS property to change the background color of an element to RYB 187, 177, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 177, 180) }
```

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

```
.background{ background-color: rgb(187,  
177, 180) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor