

# Converting Colors

`RYB(158, 131, 136)`

Have a look what the booklet for  
RYB(158, 131, 136) contains.

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# Color

**R<sub>Y</sub>B(158, 131, 136)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E8388
RGB	158, 131, 136
RGB Percent	62%, 51%, 53%
CMY	0.3804, 0.4863, 0.4667
CMYK	0.00, 0.17, 0.14, 0.38
HSL	349°, 12%, 57%
HSV	349°, 17%, 62%
XYZ	26.6608, 25.2793, 26.7668
YIQ	139.6430, 14.4870, 7.2790

# Conversions

## Conversions Part 2

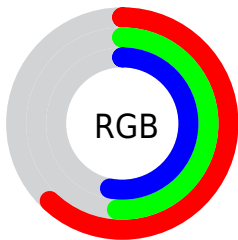
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 131, 136
Decimal	10388360
CIE Lab	57.35, 11.15, 1.17
CIE LCh	57, 11.214, 5.998
Yxy	25.2793, 0.3387, 0.3212
Android (android.graphics.Color)	4288578440 (0xFF9E8388)
YUV	139.6430, -1.7960, 16.0991
Hunter-Lab	50.2785, 6.6644, 3.6307

# Details

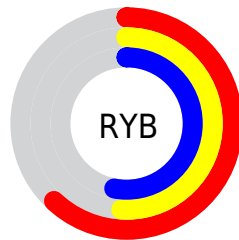
The RYB color **158, 131, 136** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **131, 146, 158**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **213, 184, 189**, and **106, 82, 86** is the 20% darker color. If you saturate the color by 10%, you get **158, 115, 123**, and if you desaturate by 10%, it is **158, 147, 149**.

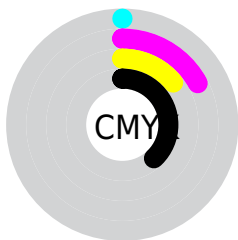
# Distribution



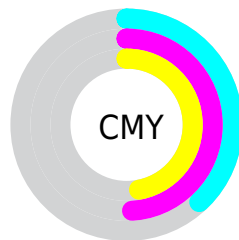
- Red (62%)
- Green (51%)
- Blue (53%)



- Red (62%)
- Yellow (51%)
- Blue (53%)



- Cyan (0%)
- Magenta (17%)
- Yellow (14%)
- Black (38%)



- Cyan (38%)
- Magenta (49%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 158, 131, 136 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 158, 131, 136 by changing the saturation by 10% instead.



 158, 131, 136


255, 255, 255

 213, 184, 189

 241, 212, 217

 255, 240, 245

 158, 131, 136

 132, 106, 111

 106, 82, 86

 82, 58, 63

 58, 37, 41

 36, 16, 21

 0, 0, 0


 158, 131, 136

 158, 115, 123

 158, 99, 110

 158, 131, 136

 158, 147, 149

 158, 161, 163

■ 158, 84, 97

■ 158, 169, 178

■ 158, 68, 85

■ 158, 178, 194

■ 158, 52, 72

■ 158, 187, 210

■ 158, 36, 59

■ 158, 196, 226

■ 158, 20, 46

■ 158, 204, 242

■ 158, 5, 33

■ 158, 211, 255

■ 158, 0, 29

■ 158, 207, 255

# Harmonies

## Analogous

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



152, 132, 146



158, 131, 136



158, 133, 127

# Triad

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



158, 131, 136



122, 141, 131



119, 133, 155

# Complementary

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



158, 131, 136



131, 146, 158

# 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.



113, 129, 149



158, 131, 136



122, 138, 143

# Square

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



158, 131, 136



126, 144, 118



114, 130, 144



130, 136, 157

# Rectangle

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



158, 131, 136



155, 139, 122



114, 130, 144



116, 131, 154



# Sweetspot

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



158, 131, 136



207, 196, 198



153, 131, 158



105, 98, 99



232, 232, 232



105, 105, 105



# Same Dimension

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



158, 131, 136



207, 163, 171



158, 142, 131



79, 71, 73



143, 0, 26



15, 0, 3



# Inverse Universe

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



158, 131, 136



207, 163, 171



131, 142, 158



79, 71, 73



143, 0, 26



15, 0, 3



# Previews

## White Background



This preview shows how the RYB color 158, 131, 136 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 158, 131, 136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

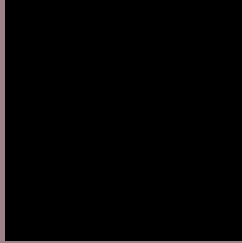
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 158, 131, 136 Background**



This preview shows how black text looks on a background with the RYB color 158, 131, 136.



This preview shows how white text looks on a background with the RYB color 158, 131, 136.

# 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


158, 131, 136

### Protanopia

140, 137, 140

### Deuteranopia

152, 133, 136



**Tritanopia**  
159, 130, 140

# Trichromacy



**Original Color**

158, 131, 136

**Protanomaly**

147, 135, 139

**Deuteranomaly**

154, 132, 136

**Tritanomaly**

159, 130, 139

# Monochromacy



**Original Color**

158, 131, 136

**Achromatopsia**

140, 140, 140

**Achromatomaly**

147, 137, 139

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 158, 131, 136 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(158, 131, 136)` looks like.

```
.text, #text, p{  
    color:rgb(158, 131, 136)  
}
```

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(158, 131, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 131, 136) }
```

## Border

The CSS property to change the border of an element to RYB 158, 131, 136 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(158, 131, 136) }
```

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

```
.border{ border-color:rgb(158, 131, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 131, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 131, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 131, 136);  
box-shadow:4px 4px 4px 4px rgb(158, 131,  
136) }
```

# Background

The CSS property to change the background color of an element to RYB 158, 131, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 131, 136) }
```

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

```
.background{ background-color: rgb(158,  
131, 136) }
```

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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