

# Converting Colors

`RYB(137, 134, 135)`

Have a look what the booklet for  
RYB(137, 134, 135) contains.

<b>RYB(137, 134, 135)</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(137, 134, 135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	898687
RGB	137, 134, 135
RGB Percent	54%, 53%, 53%
CMY	0.4627, 0.4745, 0.4706
CMYK	0.00, 0.02, 0.01, 0.46
HSL	340°, 1%, 53%
HSV	340°, 2%, 54%
XYZ	23.2148, 24.1178, 26.3533
YIQ	135.0110, 1.4670, 0.9470

# Conversions

## Conversions Part 2

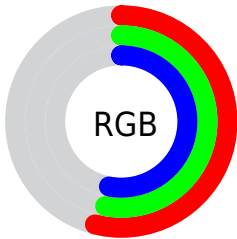
Format	Color
R <sub>YB</sub>	137, 134, 135
Decimal	9012871
CIE Lab	56.21, 1.31, -0.15
CIE LCh	56, 1.322, 353.617
Yxy	24.1178, 0.3151, 0.3273
Android (android.graphics.Color)	4287202951 (0xFF898687)
YUV	135.0110, -0.0054, 1.7444
Hunter-Lab	49.1099, -1.5634, 2.5608

# Details

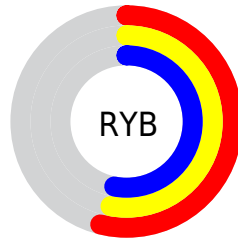
The RYB color **137, 134, 135** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **134, 136, 137**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **190, 187, 188**, and **87, 84, 85** is the 20% darker color. If you saturate the color by 10%, you get **137, 120, 126**, and if you desaturate by 10%, it is **137, 144, 148**.

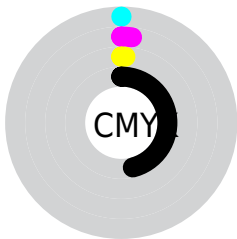
# Distribution



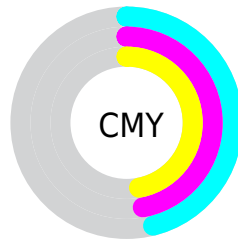
- Red (54%)
- Green (53%)
- Blue (53%)



- Red (54%)
- Yellow (53%)
- Blue (53%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (47%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 137, 134, 135 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 137, 134, 135 by changing the saturation by 10% instead.



 137, 134, 135


255, 255, 255

 190, 187, 188

 218, 215, 216

 247, 243, 244

 137, 134, 135


 112, 109, 110

 87, 84, 85


 64, 61, 62

 42, 40, 40

 22, 19, 20

 0, 0, 0


 137, 134, 135

 137, 120, 126

 137, 107, 117

 137, 134, 135

 137, 144, 148

 137, 151, 161

■ 137, 93, 108

■ 137, 160, 175

■ 137, 79, 98

■ 137, 168, 189

■ 137, 66, 89

■ 137, 177, 203

■ 137, 52, 80

■ 137, 184, 216

■ 137, 38, 71

■ 137, 193, 230

■ 137, 24, 62

■ 137, 201, 244

■ 137, 11, 53

■ 137, 207, 255

# Harmonies

## Analogous

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



136, 134, 136



137, 134, 135



137, 134, 134

# Triad

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



137, 134, 135



133, 135, 133



132, 134, 137

# Complementary

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



137, 134, 135



134, 136, 137

# 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.



132, 134, 136



137, 134, 135



133, 135, 135

# Square

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



137, 134, 135



133, 136, 132



132, 134, 135



133, 134, 137

# Rectangle

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



137, 134, 135



137, 134, 133



132, 134, 135



132, 134, 136



# Sweetspot

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



137, 134, 135



179, 177, 177



136, 134, 137



89, 88, 89



217, 217, 217



89, 89, 89



# Same Dimension

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



137, 134, 135



179, 173, 175



137, 136, 134



69, 66, 67



133, 0, 44



5, 0, 2



# Inverse Universe

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



137, 134, 135



179, 173, 175



134, 136, 137



69, 66, 67



133, 0, 44



5, 0, 2



# Previews

## White Background



This preview shows how the RYB color 137, 134, 135 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 137, 134, 135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

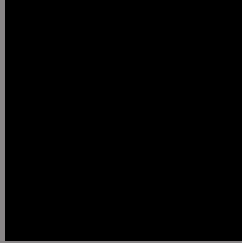
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

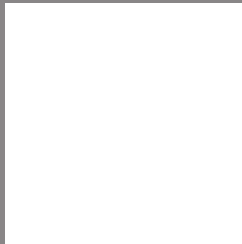
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 137, 134, 135 Background**



This preview shows how black text looks on a background with the RYB color 137, 134, 135.



This preview shows how white text looks on a background with the RYB color 137, 134, 135.

# 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**  
137, 134, 135

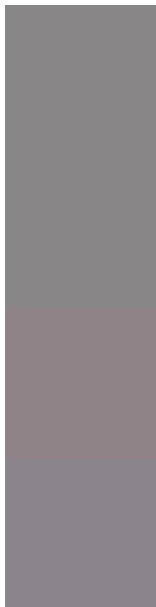
**Protanopia**  
137, 134, 135

**Deuteranopia**  
147, 130, 136



**Tritanopia**  
138, 133, 143

# Trichromacy



## Original Color

137, 134, 135

## Protanomaly

137, 134, 135

## Deuteranomaly

143, 131, 136

## Tritanomaly

138, 133, 140

# Monochromacy



## Original Color

137, 134, 135

## Achromatopsia

135, 135, 135

## Achromatomaly

136, 135, 135

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 137, 134, 135 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(137, 134, 135)` looks like.

```
.text, #text, p{  
    color:rgb(137, 134, 135)  
}
```

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(137, 134, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 134, 135) }
```

## Border

The CSS property to change the border of an element to RYB 137, 134, 135 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(137, 134, 135) }
```

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

```
.border{ border-color:rgb(137, 134, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 134, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 134, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 134, 135);  
box-shadow:4px 4px 4px 4px rgb(137, 134,  
135) }
```

# Background

The CSS property to change the background color of an element to RYB 137, 134, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 134, 135) }
```

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

```
.background{ background-color: rgb(137,  
134, 135) }
```

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