

# Converting Colors

`RYB(137, 127, 128)`

Have a look what the booklet for  
RYB(137, 127, 128) contains.

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# Color

**R<sub>Y</sub>B(137, 127, 128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	897F80
RGB	137, 127, 128
RGB Percent	54%, 50%, 50%
CMY	0.4627, 0.5020, 0.4980
CMYK	0.00, 0.07, 0.07, 0.46
HSL	354°, 4%, 52%
HSV	354°, 7%, 54%
XYZ	21.8022, 22.0556, 23.5301
YIQ	130.1040, 5.6390, 2.4310

# Conversions

## Conversions Part 2

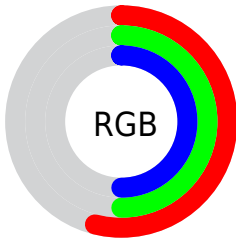
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 127, 128
Decimal	9011072
CIE Lab	54.09, 3.98, 0.82
CIE LCh	54, 4.061, 11.628
Yxy	22.0556, 0.3235, 0.3273
Android (android.graphics.Color)	4287201152 (0xFF897F80)
YUV	130.1040, -1.0373, 6.0478
Hunter-Lab	46.9634, 0.6804, 3.1682

# Details

The RYB color **137, 127, 128** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **127, 132, 137**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **190, 180, 181**, and **87, 78, 79** is the 20% darker color. If you saturate the color by 10%, you get **137, 113, 116**, and if you desaturate by 10%, it is **137, 139, 141**.

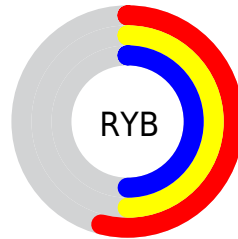
# Distribution



Red (54%)

Green (50%)

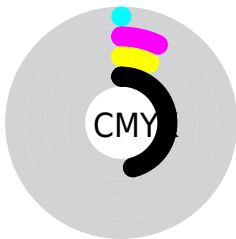
Blue (50%)



Red (54%)

Yellow (50%)

Blue (50%)

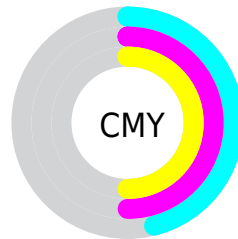


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (46%)



Cyan (46%)

Magenta (50%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 137, 127, 128 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, 127, 128 by changing the saturation by 10% instead.



■ 137, 127, 128

255, 255, 255

■ 190, 180, 181

■ 218, 207, 208

■ 247, 235, 237

■ 137, 127, 128

■ 112, 102, 103

■ 87, 78, 79

■ 64, 55, 56

■ 42, 34, 35

■ 22, 12, 13

■ 0, 0, 0

■ 137, 127, 128

■ 137, 113, 116

■ 137, 100, 103

■ 137, 127, 128

■ 137, 139, 141

■ 137, 146, 154

■ 137, 86, 91

■ 137, 153, 168

■ 137, 72, 79

■ 137, 161, 182

■ 137, 59, 66

■ 137, 168, 196

■ 137, 45, 54

■ 137, 175, 209

■ 137, 31, 42

■ 137, 182, 223

■ 137, 17, 29

■ 137, 190, 237

■ 137, 4, 17

■ 137, 196, 250

# Harmonies

## Analogous

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



135, 127, 132



137, 127, 128



137, 127, 125

# Triad

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



137, 127, 128



124, 131, 128



124, 128, 136

# Complementary

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



137, 127, 128



127, 132, 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.



121, 127, 134



137, 127, 128



123, 128, 131

# Square

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



137, 127, 128



125, 131, 122



121, 126, 131



127, 129, 136

# Rectangle

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



137, 127, 128



135, 132, 123



121, 126, 131



123, 128, 135



# Sweetspot

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



137, 127, 128



179, 175, 175



136, 127, 137



89, 87, 88



217, 217, 217



89, 89, 89



# Same Dimension

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



137, 127, 128



179, 162, 164



137, 134, 127



69, 62, 63



133, 0, 13



5, 0, 1



# Inverse Universe

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



137, 127, 128



179, 162, 164



127, 131, 137



69, 62, 63



133, 0, 13



5, 0, 1



# Previews

## White Background



This preview shows how the RYB color 137, 127, 128 looks on a white background.

## Color Contrast Check

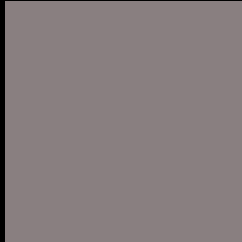
Large Text (above 18pt) WCAG AA ✓ Pass

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, 127, 128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

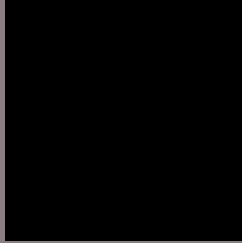
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 137, 127, 128 Background**



This preview shows how black text looks on a background with the RYB color 137, 127, 128.



This preview shows how white text looks on a background with the RYB color 137, 127, 128.

# 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, 127, 128

### Protanopia

132, 129, 129

### Deuteranopia

142, 125, 128



**Tritanopia**  
138, 126, 136

# Trichromacy



## Original Color

137, 127, 128

## Protanomaly

134, 128, 129

## Deuteranomaly

140, 126, 128

## Tritanomaly

138, 126, 133

# Monochromacy



## Original Color

137, 127, 128

## Achromatopsia

130, 130, 130

## Achromatomaly

133, 129, 129

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 137, 127, 128 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, 127, 128) looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 128)  
}
```

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, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 128) }
```

## Border

The CSS property to change the border of an element to RYB 137, 127, 128 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, 127, 128) }
```

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

```
.border{ border-color:rgb(137, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(137, 127,  
128) }
```

# Background

The CSS property to change the background color of an element to RYB 137, 127, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 128) }
```

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

```
.background{ background-color: rgb(137,  
127, 128) }
```

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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