

# Converting Colors

`RYB(133, 148, 128)`

Have a look what the booklet for  
RYB(133, 148, 128) contains.

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# Color

**R<sub>Y</sub>B(133, 148, 128)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	949080
RGB	148, 144, 128
RGB Percent	58%, 56%, 50%
CMY	0.4196, 0.4353, 0.4980
CMYK	0.00, 0.03, 0.14, 0.42
HSL	48°, 9%, 54%
HSV	48°, 14%, 58%
XYZ	26.0823, 27.8009, 24.4135
YIQ	143.3720, 7.5200, -4.1280

# Conversions

## Conversions Part 2

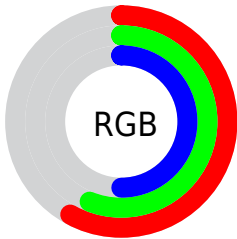
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 148, 128
Decimal	9736320
CIE <sub>Lab</sub>	59.71, -1.41, 9.03
CIE <sub>LCh</sub>	60, 9.139, 98.892
Yxy	27.8009, 0.3331, 0.3551
Android (android.graphics.Color)	4287926400 (0xFF949080)
YUV	143.3720, -7.5784, 4.0588
Hunter-Lab	52.7266, -3.9729, 9.4561

# Details

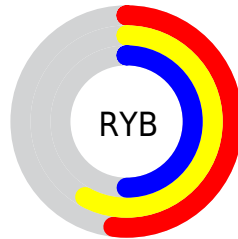
The RYB color **133, 148, 128** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **128, 131, 148**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **186, 202, 181**, and **83, 97, 79** is the 20% darker color. If you saturate the color by 10%, you get **122, 148, 113**, and if you desaturate by 10%, it is **144, 148, 143**.

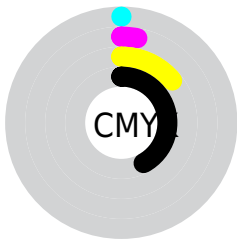
# Distribution



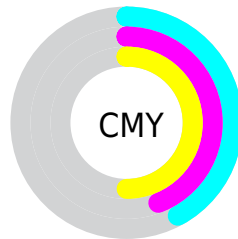
- Red (58%)
- Green (56%)
- Blue (50%)



- Red (52%)
- Yellow (58%)
- Blue (50%)



- Cyan (0%)
- Magenta (3%)
- Yellow (14%)
- Black (42%)



- Cyan (42%)
- Magenta (44%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 133, 148, 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 133, 148, 128 by changing the saturation by 10% instead.



 133, 148, 128

255, 255, 255

 186, 202, 181


 213, 230, 208

 238, 255, 237

 133, 148, 128

 108, 122, 103

 83, 97, 79


 60, 73, 56


 39, 51, 35

 17, 30, 13


 0, 0, 0


 133, 148, 128

 122, 148, 113

 111, 148, 98

 133, 148, 128

 144, 148, 143

 148, 150, 158

■ 100, 148, 84

■ 148, 152, 172

■ 89, 148, 69

■ 148, 155, 187

■ 78, 148, 54

■ 148, 157, 202

■ 67, 148, 39

■ 148, 160, 217

■ 55, 148, 24

■ 148, 162, 232

■ 45, 148, 10

■ 148, 165, 246

■ 38, 148, 0

■ 148, 167, 255

# Harmonies

## Analogous

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



156, 151, 129



133, 148, 128



131, 146, 138

# Triad

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



133, 148, 128



124, 137, 154



157, 139, 150

# Complementary

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



133, 148, 128



128, 131, 148

# 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.



148, 141, 156



133, 148, 128



129, 140, 159

# Square

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



133, 148, 128



125, 138, 149



138, 143, 160



161, 138, 142

# Rectangle

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



133, 148, 128



133, 146, 148



138, 143, 160



154, 140, 152



# Sweetspot

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



133, 148, 128



185, 191, 184



148, 128, 132



93, 97, 92



224, 224, 224



97, 97, 97



# Same Dimension

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



133, 148, 128



169, 191, 161



128, 148, 134



70, 74, 67



35, 138, 0



3, 10, 0



# Inverse Universe

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



128, 131, 148



161, 166, 191



134, 128, 148



67, 68, 74



0, 23, 138



0, 2, 10



# Previews

## White Background



This preview shows how the RYB color 133, 148, 128 looks on a white background.

## Color Contrast Check

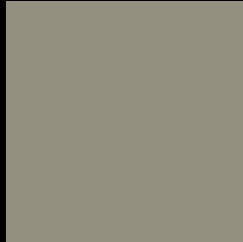
Large Text (above 18pt) WCAG AA ✓ Pass

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 133, 148, 128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

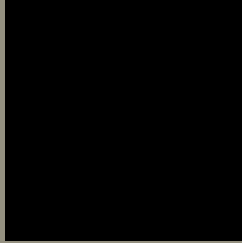
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

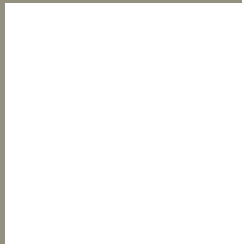
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 133, 148, 128 Background**



This preview shows how black text looks on a background with the RYB color 133, 148, 128.



This preview shows how white text looks on a background with the RYB color 133, 148, 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](#).

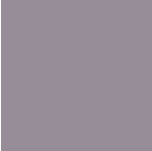
## Dichromacy



**Original Color**  
133, 148, 128

**Protanopia**  
138, 150, 128

**Deuteranopia**  
163, 143, 129



**Tritanopia**  
151, 141, 152

# Trichromacy



**Original Color**

133, 148, 128

**Protanomaly**

136, 149, 128

**Deuteranomaly**

158, 149, 129

**Tritanomaly**

150, 142, 143

# Monochromacy



**Original Color**

133, 148, 128

**Achromatopsia**

143, 143, 143

**Achromatomaly**

141, 145, 138

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 133, 148, 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(148, 144, 128) looks like.

```
.text, #text, p{  
    color:rgb(148, 144, 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(148, 144, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 144, 128) }
```

## Border

The CSS property to change the border of an element to RYB 133, 148, 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(148, 144, 128) }
```

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

```
.border{ border-color:rgb(148, 144, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 144, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 144, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 144, 128);  
box-shadow:4px 4px 4px 4px rgb(148, 144,  
128) }
```

# Background

The CSS property to change the background color of an element to RGB 133, 148, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 144, 128) }
```

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

```
.background{ background-color: rgb(148,  
144, 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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