

# Converting Colors

`RYB(150, 145, 131)`

Have a look what the booklet for  
RYB(150, 145, 131) contains.

<b>RYB(150, 145, 131)</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(150, 145, 131)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	968B83
RGB	150, 139, 131
RGB Percent	59%, 55%, 51%
CMY	0.4118, 0.4547, 0.4863
CMYK	0.00, 0.07, 0.13, 0.41
HSL	25°, 8%, 55%
HSV	25°, 13%, 59%
XYZ	25.9158, 26.6055, 25.2422
YIQ	141.3770, 9.1240, -0.1560

# Conversions

## Conversions Part 2

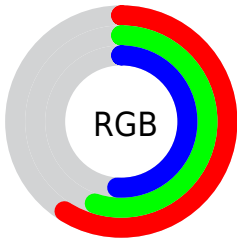
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	150, 145, 131
Decimal	9866115
CIE Lab	58.61, 2.64, 5.77
CIE LCh	59, 6.346, 65.413
Yxy	26.6055, 0.3333, 0.3421
Android (android.graphics.Color)	4288056195 (0xFF968B83)
YUV	141.3770, -5.1159, 7.5624
Hunter-Lab	51.5805, -0.5815, 7.0914

# Details

The RYB color **150, 145, 131** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **131, 138, 150**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **204, 197, 184**, and **99, 94, 82** is the 20% darker color. If you saturate the color by 10%, you get **150, 140, 116**, and if you desaturate by 10%, it is **150, 150, 146**.

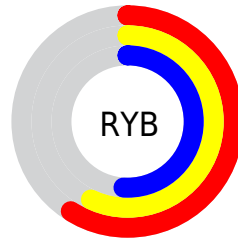
# Distribution



Red (59%)

Green (55%)

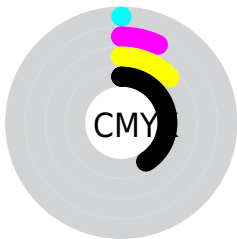
Blue (51%)



Red (59%)

Yellow (57%)

Blue (51%)

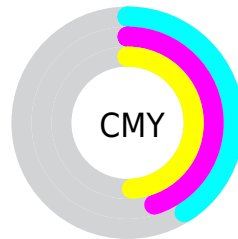


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (41%)



Cyan (41%)

Magenta (45%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 150, 145, 131 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 150, 145, 131 by changing the saturation by 10% instead.




 150, 145, 131


255, 255, 255

 204, 200, 184


 232, 225, 212

 250, 255, 240


 150, 145, 131

 124, 120, 106

 99, 94, 82

 75, 71, 59

 52, 50, 37


 31, 29, 16


 0, 0, 0


 150, 145, 131

 150, 140, 116

 150, 138, 101

 150, 145, 131

 150, 150, 146

 150, 154, 161

■ 150, 133, 86

■ 150, 160, 176

■ 150, 131, 71

■ 150, 165, 191

■ 150, 126, 56

■ 150, 170, 206

■ 150, 121, 41

■ 150, 176, 221

■ 150, 119, 26

■ 150, 182, 236

■ 150, 114, 11

■ 150, 187, 251

■ 150, 112, 0

■ 150, 191, 255

# Harmonies

## Analogous

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



153, 139, 135



150, 145, 131



135, 145, 130

# Triad

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



150, 145, 131



128, 137, 144



143, 139, 150

# Complementary

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



150, 145, 131



131, 138, 150

# 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.



137, 140, 152



150, 145, 131



128, 137, 147

# Square

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



150, 145, 131



132, 141, 144



131, 139, 151



149, 138, 146

# Rectangle

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



150, 145, 131



131, 142, 133



131, 139, 151



141, 140, 151



# Sweetspot

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



150, 145, 131



194, 191, 186



150, 131, 142



97, 95, 92



224, 224, 224



97, 97, 97



# Same Dimension

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



150, 145, 131



194, 185, 165



133, 150, 131



74, 72, 67



138, 100, 0



10, 7, 0



# Inverse Universe

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



131, 138, 150



165, 175, 194



131, 133, 150



67, 70, 74



0, 50, 138



0, 4, 10



# Previews

## White Background



This preview shows how the RYB color 150, 145, 131 looks on a white background.

## Color Contrast Check

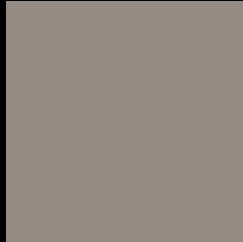
Large Text (above 18pt) WCAG AA ✓ Pass

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 150, 145, 131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

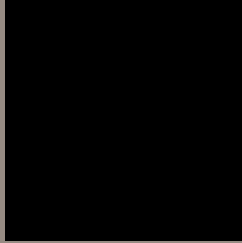
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

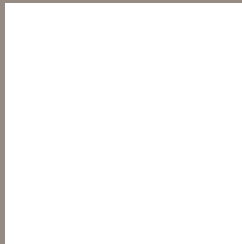
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 150, 145, 131 Background**



This preview shows how black text looks on a background with the RYB color 150, 145, 131.



This preview shows how white text looks on a background with the RYB color 150, 145, 131.

# 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

150, 145, 131

### Protanopia

143, 146, 132

### Deuteranopia

158, 137, 132



**Tritanopia**  
152, 137, 147

# Trichromacy



## Original Color

150, 145, 131

## Protanomaly

145, 147, 132

## Deuteranomaly

155, 138, 132

## Tritanomaly

151, 138, 141

# Monochromacy



## Original Color

150, 145, 131

## Achromatopsia

141, 141, 141

## Achromatomaly

144, 142, 137

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 150, 145, 131 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(150, 139, 131) looks like.

```
.text, #text, p{  
    color:rgb(150, 139, 131)  
}
```

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(150, 139, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 139, 131) }
```

## Border

The CSS property to change the border of an element to RYB 150, 145, 131 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(150, 139, 131) }
```

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

```
.border{ border-color:rgb(150, 139, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 139, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 139, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 139, 131);  
box-shadow:4px 4px 4px 4px rgb(150, 139,  
131) }
```

# Background

The CSS property to change the background color of an element to RYB 150, 145, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 139, 131) }
```

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

```
.background{ background-color: rgb(150,  
139, 131) }
```

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