

# Converting Colors

RGB(138, 133, 109)

Have a look what the booklet for  
RGB(138, 133, 109) contains.

<b>RGB(138, 133, 109)</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

**RGB(138, 133, 109)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A856D
RGB	138, 133, 109
RGB Percent	54%, 52%, 43%
CMY	0.4588, 0.4784, 0.5725
CMYK	0.00, 0.04, 0.21, 0.46
HSL	50°, 12%, 48%
HSV	50°, 21%, 54%
XYZ	21.6291, 23.2825, 17.8220
YIQ	131.7590, 10.6840, -6.4040

# Conversions

## Conversions Part 2

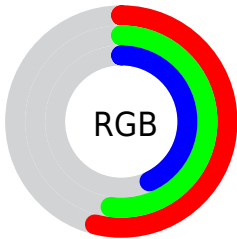
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 138, 109
Decimal	9078125
CIE <sub>Lab</sub>	55.36, -2.34, 13.64
CIE <sub>LCh</sub>	55, 13.834, 99.719
Yxy	23.2825, 0.3448, 0.3711
Android (android.graphics.Color)	4287268205 (0xFF8A856D)
YUV	131.7590, -11.2202, 5.4734
Hunter-Lab	48.2519, -4.4276, 11.8774

# Details

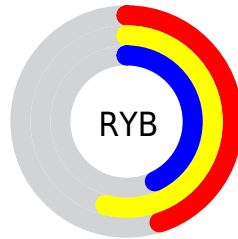
The RGB color **138, 133, 109** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **109, 114, 138**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **192, 186, 161**, and **88, 84, 61** is the 20% darker color. If you saturate the color by 10%, you get **138, 131, 95**, and if you desaturate by 10%, it is **138, 135, 123**.

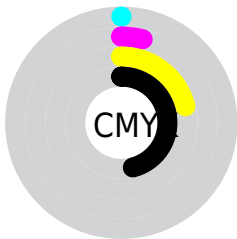
# Distribution



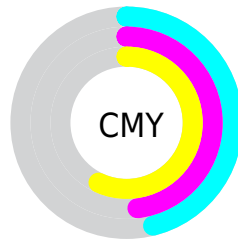
- Red (54%)
- Green (52%)
- Blue (43%)



- Red (45%)
- Yellow (54%)
- Blue (43%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (57%)

# Brightness & Saturation Gradients


These gradients show how the RGB color 138, 133, 109 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 RGB color 138, 133, 109 by changing the saturation by 10% instead.



 138, 133, 109

255, 255, 255


 192, 186, 161

 220, 214, 188


 248, 242, 215

 255, 255, 244

 138, 133, 109

 138, 131, 95

 138, 128, 81


 138, 133, 109

 112, 108, 85

 88, 84, 61


 64, 61, 39


 42, 39, 19

 21, 18, 0

 0, 0, 0

 138, 133, 109

 138, 135, 123

 138, 138, 137

■ 138, 126, 68

■ 138, 140, 150

■ 138, 123, 54

■ 138, 143, 164

■ 138, 121, 40

■ 138, 145, 178

■ 138, 119, 26

■ 138, 147, 192

■ 138, 116, 12

■ 138, 150, 206

■ 138, 114, 0

■ 138, 152, 219

■ 138, 154, 233

# Harmonies

## Analogous

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



150, 129, 110



138, 133, 109



124, 137, 114

# Triad

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



138, 133, 109



102, 139, 147



152, 125, 141

# Complementary

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



138, 133, 109



109, 114, 138

# 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.



140, 128, 151



138, 133, 109



110, 136, 155

# Square

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



138, 133, 109



103, 140, 136



124, 132, 156



158, 124, 129

# Rectangle

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



138, 133, 109



115, 138, 120



124, 132, 156



148, 126, 145



# Sweetspot

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



138, 133, 109



179, 177, 168



138, 109, 114



89, 88, 83



217, 217, 217



89, 89, 89



# Same Dimension

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



138, 133, 109



179, 171, 134



129, 138, 109



69, 68, 62



133, 110, 0



5, 4, 0



# Inverse Universe

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



109, 114, 138



134, 142, 179



118, 109, 138



62, 63, 69



0, 23, 133



0, 1, 5



# Previews

## White Background



This preview shows how the RGB color 138, 113, 77 looks on a white background.

## Color Contrast Check

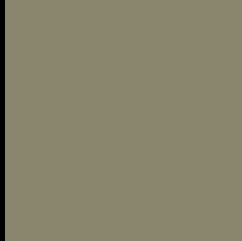
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 138, 133, 109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

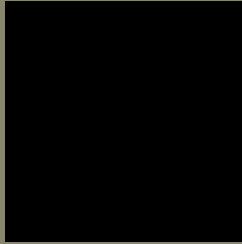
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RGB 138, 133, 109 Background



This preview shows how black text looks on a background with the RGB color 138, 133, 109.



This preview shows how white text looks on a background with the RGB color 138, 133, 109.

# 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**  
138, 133, 109

**Protanopia**  
140, 132, 109

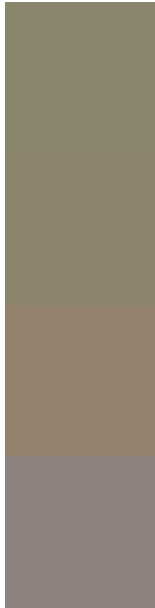
**Deuteranopia**  
153, 127, 110



# Tritanopia

142, 129, 139

# Trichromacy



**Original Color**

138, 133, 109

**Protanomaly**

139, 132, 109

**Deuteranomaly**

148, 129, 110

**Tritanomaly**

141, 130, 128

# Monochromacy



**Original Color**

138, 133, 109

**Achromatopsia**

132, 132, 132

**Achromatomaly**

134, 132, 124

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 138, 133, 109 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(138, 133, 109) looks like.

```
.text, #text, p{  
    color:rgb(138, 133, 109)  
}
```

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(138, 133, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 133, 109) }
```

## Border

The CSS property to change the border of an element to RGB 138, 133, 109 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(138, 133, 109) }
```

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

```
.border{ border-color:rgb(138, 133, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 133, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 133, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 133, 109);  
box-shadow:4px 4px 4px 4px rgb(138, 133,  
109) }
```

# Background

The CSS property to change the background color of an element to RGB 138, 133, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 133, 109) }
```

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

```
.background{ background-color: rgb(138,  
133, 109) }
```

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