

Converting Colors

`RYB(153, 136, 103)`

Have a look what the booklet for
RYB(153, 136, 103) contains.

RYB(153, 136, 103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(153, 136, 103)

Conversions

Conversions Part 1

Format	Color
Hex	997B67
RGB	153, 123, 103
RGB Percent	60%, 48%, 40%
CMY	0.4000, 0.5181, 0.5961
CMYK	0.00, 0.20, 0.33, 0.40
HSL	24°, 20%, 50%
HSV	24°, 33%, 60%
XYZ	22.6531, 21.8876, 15.8628
YIQ	129.6900, 24.3000, 0.1400

Conversions

Conversions Part 2

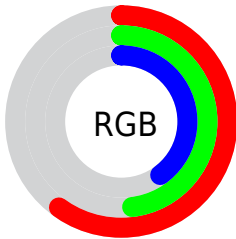
Format	Color
RYB	153, 136, 103
Decimal	10058599
CIELab	53.91, 8.68, 15.29
CIElCh	54, 17.583, 60.429
Yxy	21.8876, 0.3750, 0.3624
Android (android.graphics.Color)	4288248679 (0xFF997B67)
YUV	129.6900, -13.1582, 20.4429
Hunter-Lab	46.7842, 4.5579, 12.6460

Details

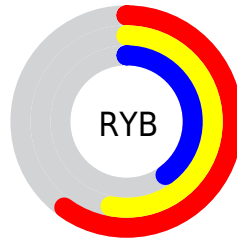
The RYB color **153, 136, 103** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **103, 122, 153**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **208, 188, 154**, and **101, 86, 56** is the 20% darker color. If you saturate the color by 10%, you get **153, 131, 88**, and if you desaturate by 10%, it is **153, 141, 118**.

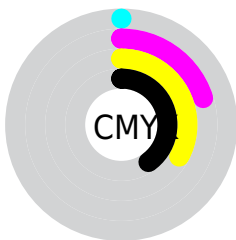
Distribution



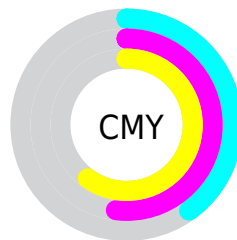
- Red (60%)
- Green (48%)
- Blue (40%)



- Red (60%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (33%)
- Black (40%)



- Cyan (40%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 153, 136, 103 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 153, 136, 103 by changing the saturation by 10% instead.

 153, 136, 103

255, 255, 255

 208, 188, 154

 237, 217, 181


 255, 251, 209

 237, 255, 237

 153, 136, 103

 127, 110, 79

 101, 86, 56


 76, 66, 34

 52, 43, 13

 31, 9, 0

 0, 0, 0

 153, 136, 103

 153, 131, 88

 153, 125, 72

 153, 136, 103

 153, 141, 118

 153, 145, 134

■ 153, 120, 57

■ 153, 153, 149

■ 153, 115, 42

■ 153, 157, 164

■ 153, 110, 27

■ 153, 163, 180

■ 153, 106, 11

■ 153, 169, 195

■ 153, 101, 0

■ 153, 174, 210

■ 153, 180, 225

■ 153, 186, 241

Harmonies

Analogous

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



160, 120, 114



153, 136, 103



116, 140, 99

Triad

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



153, 136, 103



92, 117, 138



132, 125, 155

Complementary

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



153, 136, 103



103, 122, 153

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.



111, 125, 159



153, 136, 103



86, 113, 144

Square

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



153, 136, 103



106, 130, 136



94, 118, 155



149, 120, 144

Rectangle

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



153, 136, 103



100, 131, 102



94, 118, 155



125, 127, 157

Sweetspot

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



153, 136, 103



199, 192, 179



153, 103, 134



99, 94, 88



227, 227, 227



99, 99, 99

Same Dimension

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



153, 136, 103



199, 172, 121



110, 153, 103



77, 74, 69



140, 93, 0



13, 8, 0

Inverse Universe

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



103, 122, 153



121, 150, 199



103, 108, 153



69, 72, 77



0, 53, 140



0, 5, 13

Previews

White Background



This preview shows how the RYB color 153, 136, 103 looks on a white background.

Color Contrast Check

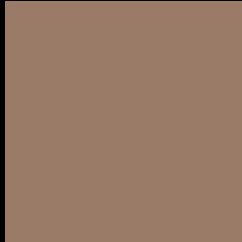
Large Text (above 18pt) WCAG AA ✓ Pass

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 153, 136, 103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

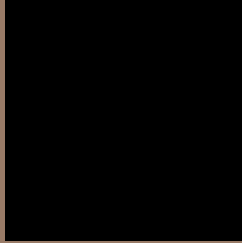
Any Text WCAG AA ✓ Pass

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 153, 136, 103 Background



This preview shows how black text looks on a background with the RYB color 153, 136, 103.



This preview shows how white text looks on a background with the RYB color 153, 136, 103.

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


153, 136, 103

Protanopia

117, 137, 106

Deuteranopia

150, 141, 103



Tritanopia
156, 119, 129

Trichromacy



Original Color

153, 136, 103

Protanomaly

133, 143, 105

Deuteranomaly

151, 140, 103

Tritanomaly

155, 120, 120

Monochromacy



Original Color

153, 136, 103

Achromatopsia

130, 130, 130

Achromatomaly

138, 131, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 153, 136, 103 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(153, 123, 103)` looks like.

```
.text, #text, p{  
    color:rgb(153, 123, 103)  
}
```

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(153, 123, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 123, 103) }
```

Border

The CSS property to change the border of an element to RYB 153, 136, 103 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(153, 123, 103) }
```

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

```
.border{ border-color:rgb(153, 123, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 123, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 123, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 123, 103);  
box-shadow:4px 4px 4px 4px rgb(153, 123,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 153, 136, 103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 123, 103) }
```

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

```
.background{ background-color: rgb(153,  
123, 103) }
```

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