

# Converting Colors

`RYB(152, 139, 110)`

Have a look what the booklet for  
RYB(152, 139, 110) contains.

<b>RYB(152, 139, 110)</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(152, 139, 110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	987F6E
RGB	152, 127, 110
RGB Percent	60%, 50%, 43%
CMY	0.4039, 0.5014, 0.5686
CMYK	0.00, 0.16, 0.28, 0.40
HSL	25°, 17%, 51%
HSV	25°, 28%, 60%
XYZ	23.3728, 23.0200, 17.9633
YIQ	132.5370, 20.3570, 0.0130

# Conversions

## Conversions Part 2

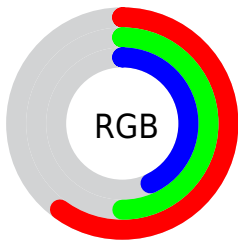
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 139, 110
Decimal	9994094
CIE <sub>Lab</sub>	55.09, 6.82, 12.88
CIE <sub>LCh</sub>	55, 14.575, 62.114
Yxy	23.0200, 0.3632, 0.3577
Android (android.graphics.Color)	4288184174 (0xFF987F6E)
YUV	132.5370, -11.1107, 17.0691
Hunter-Lab	47.9791, 2.9917, 11.3874

# Details

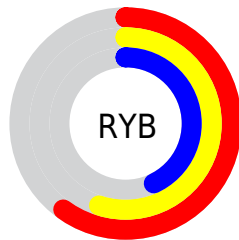
The RYB color **152, 139, 110** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **110, 126, 152**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **207, 192, 162**, and **100, 90, 62** is the 20% darker color. If you saturate the color by 10%, you get **152, 134, 95**, and if you desaturate by 10%, it is **152, 144, 125**.

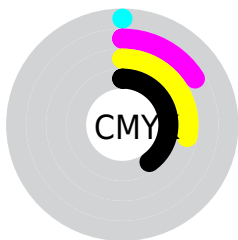
# Distribution



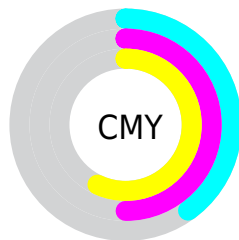
- Red (60%)
- Green (50%)
- Blue (43%)



- Red (60%)
- Yellow (55%)
- Blue (43%)



- Cyan (0%)
- Magenta (16%)
- Yellow (28%)
- Black (40%)



- Cyan (40%)
- Magenta (50%)
- Yellow (57%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 152, 139, 110 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 152, 139, 110 by changing the saturation by 10% instead.



 152, 139, 110

255, 255, 255

 207, 192, 162

 235, 219, 189


 253, 255, 216

 245, 255, 245


 152, 139, 110

 152, 134, 95

 152, 129, 80

 152, 139, 110

 126, 113, 86


 100, 90, 62

 76, 66, 40


 52, 45, 20

 32, 19, 0

 0, 0, 0

 152, 139, 110

 152, 144, 125

 152, 149, 140

■ 152, 125, 64

■ 152, 153, 156

■ 152, 120, 49

■ 152, 159, 171

■ 152, 115, 34

■ 152, 165, 186

■ 152, 110, 19

■ 152, 170, 201

■ 152, 105, 4

■ 152, 176, 216

■ 152, 105, 0

■ 152, 182, 232

■ 152, 187, 247

# Harmonies

## Analogous

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



158, 125, 119



152, 139, 110



121, 141, 107

# Triad

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



152, 139, 110



102, 122, 139



135, 128, 153

# Complementary

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



152, 139, 110



110, 126, 152

# 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.



119, 129, 157



152, 139, 110



98, 120, 145

# Square

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



152, 139, 110



113, 133, 138



105, 124, 154



149, 125, 144

# Rectangle

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



152, 139, 110



108, 134, 110



105, 124, 154



130, 130, 155



# Sweetspot

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



152, 139, 110



196, 191, 181



152, 110, 135



99, 97, 90



227, 227, 227



99, 99, 99



# Same Dimension

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



152, 139, 110



196, 176, 132



114, 152, 110



77, 74, 69



140, 96, 0



13, 8, 0



# Inverse Universe

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



110, 126, 152



132, 156, 196



110, 114, 152



69, 72, 77



0, 52, 140

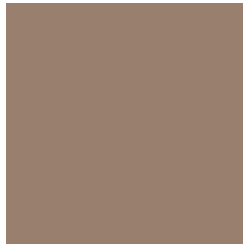


0, 5, 13



# Previews

## White Background



This preview shows how the RYB color 152, 139, 110 looks on a white background.

## Color Contrast Check

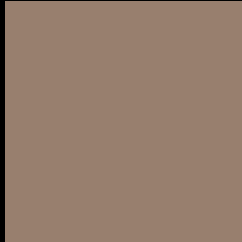
Large Text (above 18pt) WCAG AA ✓ Pass

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 152, 139, 110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

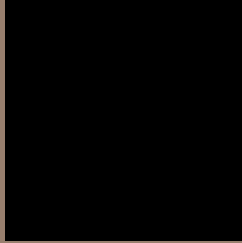
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 152, 139, 110 Background**



This preview shows how black text looks on a background with the RYB color 152, 139, 110.



This preview shows how white text looks on a background with the RYB color 152, 139, 110.

# 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**  
152, 139, 110

**Protanopia**  
121, 139, 112

**Deuteranopia**  
152, 139, 110



**Tritanopia**  
155, 124, 133

# Trichromacy



**Original Color**  
152, 139, 110

**Protanomaly**  
135, 144, 111

**Deuteranomaly**  
152, 139, 110

**Tritanomaly**  
154, 125, 125

# Monochromacy



**Original Color**  
152, 139, 110

**Achromatopsia**  
133, 133, 133

**Achromatomaly**  
140, 135, 125

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 152, 139, 110 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(152, 127, 110)` looks like.

```
.text, #text, p{  
    color:rgb(152, 127, 110)  
}
```

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(152, 127, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 127, 110) }
```

## Border

The CSS property to change the border of an element to RYB 152, 139, 110 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(152, 127, 110) }
```

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

```
.border{ border-color:rgb(152, 127, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 127, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 127, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 127, 110);  
box-shadow:4px 4px 4px 4px rgb(152, 127,  
110) }
```

# Background

The CSS property to change the background color of an element to RYB 152, 127, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 127, 110) }
```

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

```
.background{ background-color: rgb(152,  
127, 110) }
```

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