

Converting Colors

`RYB(193, 139, 99)`

Have a look what the booklet for
RYB(193, 139, 99) contains.

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Color

R_YB(193, 139, 99)

Conversions

Conversions Part 1

Format	Color
Hex	C17F63
RGB	193, 127, 99
RGB Percent	76%, 50%, 39%
CMY	0.2431, 0.5017, 0.6118
CMYK	0.00, 0.34, 0.49, 0.24
HSL	18°, 43%, 57%
HSV	18°, 49%, 76%
XYZ	31.8415, 27.4325, 15.4211
YIQ	143.5420, 48.3240, 5.2840

Conversions

Conversions Part 2

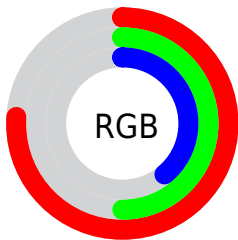
Format	Color
RYB	193, 139, 99
Decimal	12681059
CIELab	59.37, 22.38, 25.70
CIELCh	59, 34.079, 48.953
Yxy	27.4325, 0.4263, 0.3673
Android (android.graphics.Color)	4290871139 (0xFFC17F63)
YUV	143.5420, -21.9592, 43.3747
Hunter-Lab	52.3760, 16.8594, 19.2064

Details

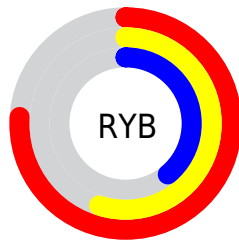
The RYB color **193, 139, 99** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **99, 138, 193**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **252, 193, 150**, and **136, 88, 52** is the 20% darker color. If you saturate the color by 10%, you get **193, 129, 80**, and if you desaturate by 10%, it is **193, 151, 118**.

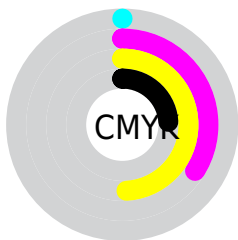
Distribution



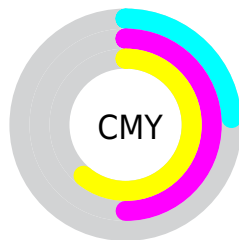
- Red (76%)
- Green (50%)
- Blue (39%)



- Red (76%)
- Yellow (55%)
- Blue (39%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (24%)



- Cyan (24%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 193, 139, 99 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 193, 139, 99 by changing the saturation by 10% instead.

 193, 139, 99  193, 139, 99

255, 255, 255  164, 114, 75

 252, 193, 150  136, 88, 52

 255, 228, 177  109, 64, 30


 234, 255, 204  83, 42, 7


 233, 255, 233  57, 11, 0

 33, 0, 1


 0, 0, 0


 193, 139, 99  193, 139, 99

 193, 129, 80  193, 151, 118

 193, 117, 60

 193, 161, 138

 193, 105, 41

 193, 173, 157

 193, 95, 22

 193, 183, 176

 193, 83, 2

 193, 194, 196

 193, 83, 0

 193, 202, 215

 193, 210, 234

 193, 218, 253

 193, 222, 255

Harmonies

Analogous

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



201, 120, 125



193, 139, 99



142, 172, 84

Triad

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



193, 139, 99



70, 122, 158



130, 138, 199

Complementary

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



193, 139, 99



99, 138, 193

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.



79, 123, 201



193, 139, 99



17, 88, 161

Square

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



193, 139, 99



103, 154, 148



14, 92, 187



170, 128, 183

Rectangle

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



193, 139, 99



95, 154, 83



14, 92, 187



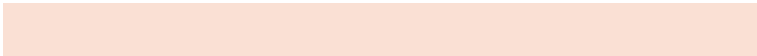
114, 136, 202

Sweetspot

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



193, 139, 99



250, 230, 212



193, 99, 166



125, 112, 102



252, 252, 252



125, 125, 125

Same Dimension

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



193, 139, 99



250, 166, 105



124, 193, 99



97, 91, 87



161, 68, 0



33, 14, 0

Inverse Universe

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



99, 138, 193



105, 165, 250



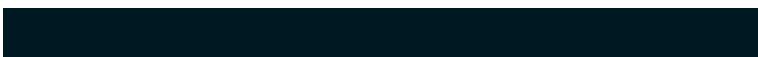
99, 115, 193



87, 91, 97



0, 66, 161



0, 14, 33

Previews

White Background



This preview shows how the RYB color 193, 139, 99 looks on a white background.

Color Contrast Check

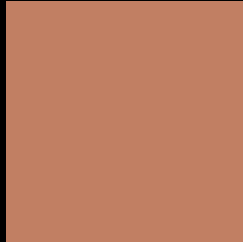
Large Text (above 18pt) WCAG AA ✓ Pass

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 193, 139, 99 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

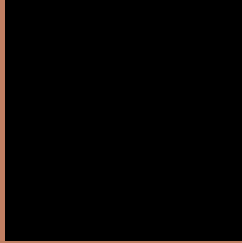
Any Text WCAG AA ✓ Pass

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](#).

R Y B 193, 139, 99 Background



This preview shows how black text looks on a background with the R Y B color 193, 139, 99.



This preview shows how white text looks on a background with the R Y B color 193, 139, 99.

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
193, 139, 99

Protanopia
120, 154, 106

Deuteranopia
163, 172, 97



Tritanopia
196, 123, 132

Trichromacy



Original Color

193, 139, 99

Protanomaly

162, 168, 103

Deuteranomaly

180, 159, 98

Tritanomaly

195, 124, 120

Monochromacy



Original Color

193, 139, 99

Achromatopsia

144, 144, 144

Achromatomaly

162, 142, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 193, 139, 99 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(193, 127, 99)` looks like.

```
.text, #text, p{  
    color:rgb(193, 127, 99)  
}
```

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(193, 127, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 127, 99) }
```

Border

The CSS property to change the border of an element to RYB 193, 139, 99 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(193, 127, 99) }
```

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

```
.border{ border-color:rgb(193, 127, 99) }
```

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

Here you see how a box with a 4 pixel rgb(193, 127, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 127, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 127, 99);  
box-shadow:4px 4px 4px 4px rgb(193, 127,  
99) }
```

Background

The CSS property to change the background color of an element to RGB 193, 127, 99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 127, 99) }
```

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

```
.background{ background-color: rgb(193,  
127, 99) }
```

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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