

# Converting Colors

`RYB(218, 153, 103)`

Have a look what the booklet for  
RYB(218, 153, 103) contains.

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# **Color**

**$\text{RYB}(218, 153, 103)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA8A67
RGB	218, 138, 103
RGB Percent	85%, 54%, 40%
CMY	0.1451, 0.4594, 0.5961
CMYK	0.00, 0.37, 0.53, 0.15
HSL	18°, 61%, 63%
HSV	18°, 53%, 85%
XYZ	40.4284, 34.0182, 17.2673
YIQ	157.9300, 58.9150, 6.0750

# Conversions

## Conversions Part 2

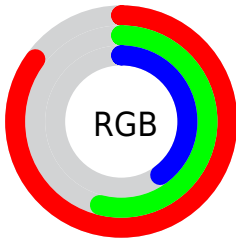
Format	Color
R <sub>Y</sub> B	218, 153, 103
Decimal	14322279
CIE Lab	64.98, 26.99, 31.36
CIE LCh	65, 41.374, 49.284
Yxy	34.0182, 0.4408, 0.3709
Android (android.graphics.Color)	4292512359 (0xFFDA8A67)
YUV	157.9300, -27.0805, 52.6814
Hunter-Lab	58.3251, 21.6593, 23.2746

# Details

The RYB color **218, 153, 103** is a light color, and the websafe version is hex **CC9966**, and the color name is **copper (crayola)**. A complement of this color would be **103, 150, 218**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **255, 214, 155**, and **160, 101, 55** is the 20% darker color. If you saturate the color by 10%, you get **218, 142, 81**, and if you desaturate by 10%, it is **218, 165, 125**.

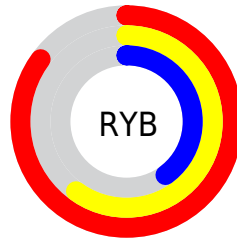
# Distribution



Red (85%)

Green (54%)

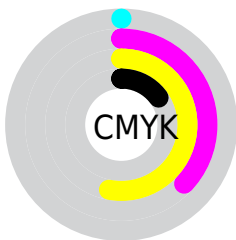
Blue (40%)



Red (85%)

Yellow (60%)

Blue (40%)

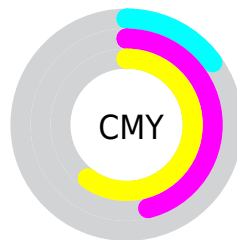


Cyan (0%)

Magenta (37%)

Yellow (53%)

Black (15%)



Cyan (15%)

Magenta (46%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 218, 153, 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 218, 153, 103 by changing the saturation by 10% instead.



 218, 153, 103

 218, 153, 103


255, 255, 255

 189, 126, 79

 255, 214, 155

 160, 101, 55

 249, 255, 182

 131, 76, 33

 216, 255, 209

 103, 53, 11

 238, 255, 238


 76, 20, 0


 50, 0, 0

 14, 0, 0


 0, 0, 0

 218, 153, 103


 218, 153, 103

 218, 142, 81


 218, 165, 125

 218, 128, 59

 218, 177, 147

 218, 115, 38

 218, 189, 168

 218, 103, 16

 218, 203, 190

 218, 95, 0

 218, 215, 212

 218, 225, 234

 218, 233, 255

 218, 237, 255

# Harmonies

## Analogous

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



229, 129, 135



218, 153, 103



150, 192, 84

# Triad

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



218, 153, 103



59, 127, 176



141, 152, 227

# Complementary

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



218, 153, 103



103, 150, 218

# 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.



69, 129, 230



218, 153, 103



0, 89, 181

# Square

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



218, 153, 103



108, 172, 165



0, 95, 213



191, 139, 206

# Rectangle

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



218, 153, 103



96, 170, 83



0, 95, 213



120, 148, 230

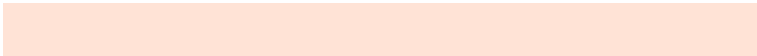


# Sweetspot

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



218, 153, 103



255, 233, 214



218, 103, 184



128, 115, 103



0, 0, 0



128, 128, 128



# Same Dimension

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



218, 153, 103



255, 164, 94



132, 218, 103



110, 103, 99



173, 76, 0



46, 20, 0



# Inverse Universe

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



103, 150, 218



94, 160, 255



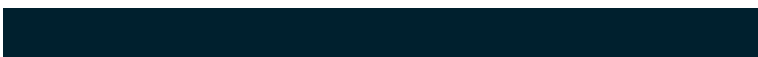
103, 122, 218



99, 103, 110



0, 71, 173



0, 19, 46



# Previews

## White Background



This preview shows how the RYB color 218, 153, 103 looks on a white background.

## Color Contrast Check

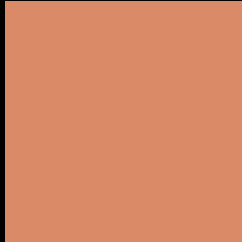
Large Text (above 18pt) WCAG AA × Fail

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 218, 153, 103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

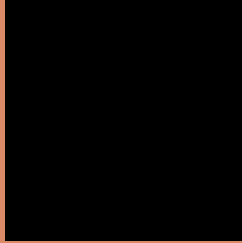
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 218, 153, 103 Background**



This preview shows how black text looks on a background with the RYB color 218, 153, 103.

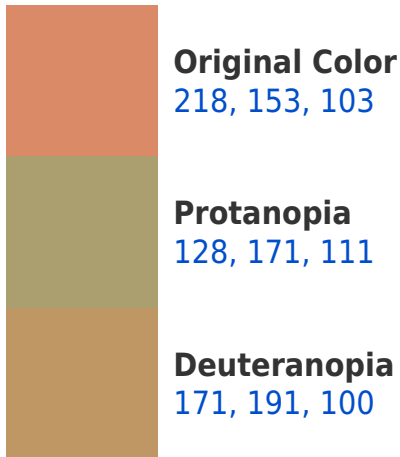


This preview shows how white text looks on a background with the RYB color 218, 153, 103.

# 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





**Tritanopia**  
221, 133, 142

# Trichromacy



**Original Color**  
218, 153, 103

**Protanomaly**  
177, 188, 108

**Deuteranomaly**  
201, 183, 101

**Tritanomaly**  
220, 136, 128

# Monochromacy



**Original Color**  
218, 153, 103

**Achromatopsia**  
158, 158, 158

**Achromatomaly**  
180, 157, 138

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 218, 153, 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(218, 138, 103) looks like.

```
.text, #text, p{  
    color:rgb(218, 138, 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(218, 138, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 138, 103) }
```

## Border

The CSS property to change the border of an element to RYB 218, 153, 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(218, 138, 103) }
```

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

```
.border{ border-color:rgb(218, 138, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 138, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 138, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 138, 103);  
box-shadow:4px 4px 4px 4px rgb(218, 138,  
103) }
```

# Background

The CSS property to change the background color of an element to RYB 218, 153, 103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 138, 103) }
```

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

```
.background{ background-color: rgb(218,  
138, 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](#).



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