

Converting Colors

`RYB(205, 152, 101)`

Have a look what the booklet for
RYB(205, 152, 101) contains.

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Color

$\text{RYB}(205, 152, 101)$

Conversions

Conversions Part 1

Format	Color
Hex	CD8765
RGB	205, 135, 101
RGB Percent	80%, 53%, 40%
CMY	0.1961, 0.4697, 0.6039
CMYK	0.00, 0.34, 0.51, 0.20
HSL	20°, 51%, 60%
HSV	20°, 51%, 80%
XYZ	36.2204, 31.3079, 16.4459
YIQ	152.0540, 52.6340, 4.2660

Conversions

Conversions Part 2

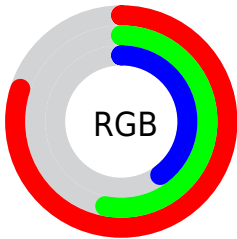
Format	Color
RYB	205, 152, 101
Decimal	13469541
CIELab	62.77, 22.99, 29.29
CIElCh	63, 37.237, 51.876
Yxy	31.3079, 0.4313, 0.3728
Android (android.graphics.Color)	4291659621 (0xFFCD8765)
YUV	152.0540, -25.1696, 46.4336
Hunter-Lab	55.9535, 17.6299, 21.7409

Details

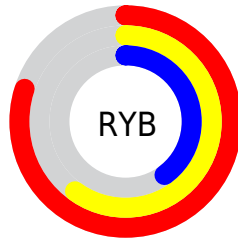
The RYB color **205, 152, 101** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **101, 143, 205**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 210, 152**, and **148, 101, 53** is the 20% darker color. If you saturate the color by 10%, you get **205, 140, 81**, and if you desaturate by 10%, it is **205, 162, 122**.

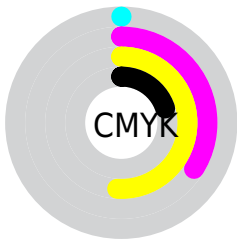
Distribution



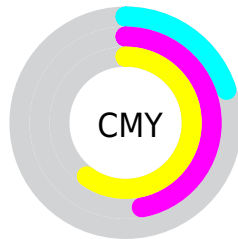
- Red (80%)
- Green (53%)
- Blue (40%)



- Red (80%)
- Yellow (60%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (51%)
- Black (20%)



- Cyan (20%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 152, 101 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 205, 152, 101 by changing the saturation by 10% instead.

 205, 152, 101

255, 255, 255

 255, 210, 152

 255, 255, 179

 220, 255, 207

 235, 255, 235

 205, 152, 101

 176, 127, 77

 148, 101, 53

 120, 76, 31

 93, 53, 9

 66, 21, 0

 42, 0, 0


 0, 0, 0

 205, 152, 101


 205, 140, 81

 205, 152, 101


 205, 162, 122

 205, 132, 60

 205, 174, 142

 205, 121, 39

 205, 182, 163

 205, 110, 19

 205, 193, 183

 205, 100, 0

 205, 204, 204

 205, 213, 224

 205, 221, 245

 205, 227, 255

 205, 230, 255

Harmonies

Analogous

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



216, 127, 129



205, 152, 101



139, 181, 86

Triad

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



205, 152, 101



64, 125, 169



142, 147, 213

Complementary

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



205, 152, 101



101, 143, 205

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.



84, 132, 217



205, 152, 101



0, 86, 175

Square

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



205, 152, 101



110, 165, 165



0, 91, 203



185, 134, 193

Rectangle

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



205, 152, 101



93, 160, 86



0, 91, 203



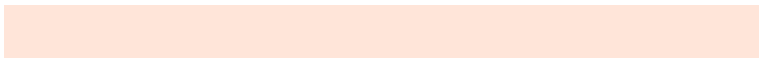
124, 145, 216

Sweetspot

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



205, 152, 101



255, 235, 217



205, 101, 172



128, 115, 105



0, 0, 0



128, 128, 128

Same Dimension

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



205, 152, 101



255, 177, 99



124, 205, 101



102, 96, 92



166, 82, 0



38, 20, 0

Inverse Universe

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



101, 143, 205



99, 162, 255



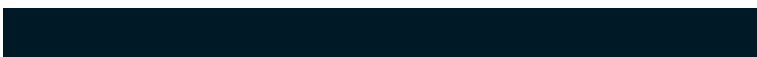
101, 117, 205



92, 96, 102



0, 67, 166



0, 15, 38

Previews

White Background



This preview shows how the RYB color 205, 152, 101 looks on a white background.

Color Contrast Check

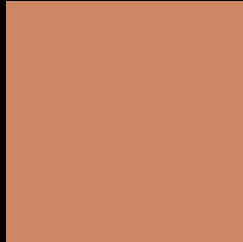
Large Text (above 18pt) WCAG AA × Fail

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 205, 152, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

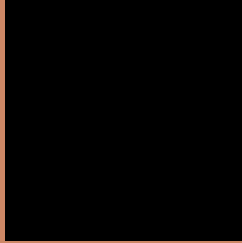
Any Text WCAG AA ✓ Pass

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 205, 152, 101 Background



This preview shows how black text looks on a background with the RYB color 205, 152, 101.



This preview shows how white text looks on a background with the RYB color 205, 152, 101.

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
205, 152, 101

Protanopia
123, 164, 108

Deuteranopia
165, 183, 99



Tritanopia
208, 130, 140

Trichromacy



Original Color
205, 152, 101

Protanomaly
165, 179, 105

Deuteranomaly
191, 178, 100

Tritanomaly
207, 132, 126

Monochromacy



Original Color
205, 152, 101

Achromatopsia
152, 152, 152

Achromatomaly
171, 153, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 152, 101 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(205, 135, 101)` looks like.

```
.text, #text, p{  
    color:rgb(205, 135, 101)  
}
```

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(205, 135, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 135, 101) }
```

Border

The CSS property to change the border of an element to RYB 205, 152, 101 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(205, 135, 101) }
```

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

```
.border{ border-color:rgb(205, 135, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 135, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 135, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 135, 101);  
box-shadow:4px 4px 4px 4px rgb(205, 135,  
101) }
```

Background

The CSS property to change the background color of an element to RGB 205, 135, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 135, 101) }
```

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

```
.background{ background-color: rgb(205,  
135, 101) }
```

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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