

Converting Colors

`RYB(169, 203, 112)`

Have a look what the booklet for
RYB(169, 203, 112) contains.

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Color

R_YB(169, 203, 112)

Conversions

Conversions Part 1

Format	Color
Hex	CBA870
RGB	203, 168, 112
RGB Percent	80%, 66%, 44%
CMY	0.2039, 0.3414, 0.5608
CMYK	0.00, 0.17, 0.45, 0.20
HSL	37°, 47%, 62%
HSV	37°, 45%, 80%
XYZ	41.5471, 41.8542, 21.2181
YIQ	172.0810, 38.8360, -9.9960

Conversions

Conversions Part 2

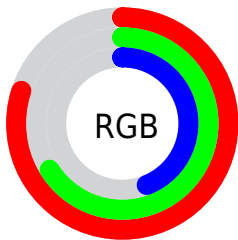
Format	Color
RYB	169, 203, 112
Decimal	13346928
CIELab	70.77, 5.45, 33.65
CIELCh	71, 34.091, 80.793
Yxy	41.8542, 0.3971, 0.4001
Android (android.graphics.Color)	4291537008 (0xFFCBA870)
YUV	172.0810, -29.6199, 27.1160
Hunter-Lab	64.6948, 1.4172, 25.8409

Details

The RYB color **169, 203, 112** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **112, 137, 203**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **213, 255, 164**, and **112, 147, 63** is the 20% darker color. If you saturate the color by 10%, you get **162, 203, 92**, and if you desaturate by 10%, it is **176, 203, 132**.

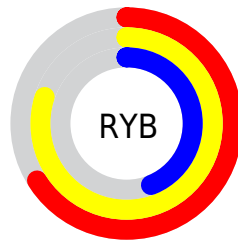
Distribution



Red (80%)

Green (66%)

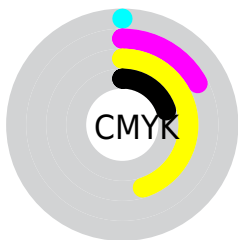
Blue (44%)



Red (66%)

Yellow (80%)

Blue (44%)

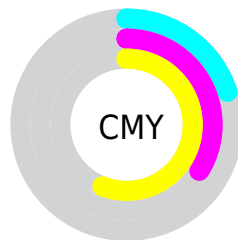


Cyan (0%)

Magenta (17%)

Yellow (45%)

Black (20%)



Cyan (20%)

Magenta (34%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 169, 203, 112 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 169, 203, 112 by changing the saturation by 10% instead.

 169, 203, 112

255, 255, 255


 213, 255, 164

 195, 255, 192


 220, 255, 220

 249, 255, 249

 169, 203, 112

 140, 175, 87

 112, 147, 63

 83, 120, 40

 55, 94, 16

 35, 69, 0


 28, 43, 0

 17, 0, 0

 0, 0, 0

 169, 203, 112


 169, 203, 112

 162, 203, 92


 176, 203, 132

 154, 203, 71


 184, 203, 153

 147, 203, 51

 193, 203, 173

 138, 203, 31

 200, 203, 193

 131, 203, 11

 203, 206, 214

 127, 203, 0

 203, 212, 234

 203, 217, 254

 203, 221, 255

 203, 224, 255

Harmonies

Analogous

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



225, 173, 126



169, 203, 112



114, 178, 120

Triad

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



169, 203, 112



67, 129, 194



203, 158, 213

Complementary

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



169, 203, 112



112, 137, 203

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.



164, 169, 231



169, 203, 112



72, 136, 220

Square

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



169, 203, 112



99, 152, 189



115, 157, 234



228, 150, 184

Rectangle

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



169, 203, 112



125, 183, 159



115, 157, 234



191, 161, 220

Sweetspot

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



169, 203, 112



243, 255, 222



203, 112, 148



120, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



169, 203, 112



203, 255, 117



112, 203, 121



99, 102, 92



104, 166, 0



22, 38, 0

Inverse Universe

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



112, 137, 203



117, 155, 255



121, 112, 203



92, 95, 102



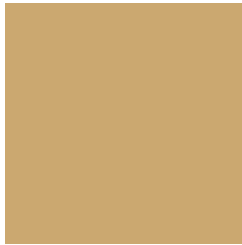
0, 46, 166



0, 11, 38

Previews

White Background



This preview shows how the RYB color 169, 203, 112 looks on a white background.

Color Contrast Check

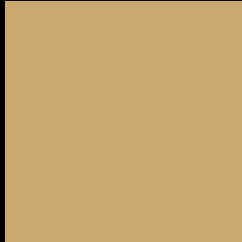
Large Text (above 18pt) WCAG AA × Fail

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 169, 203, 112 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 169, 203, 112 Background



This preview shows how black text looks on a background with the RYB color 169, 203, 112.



This preview shows how white text looks on a background with the RYB color 169, 203, 112.

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
[169, 203, 112](#)

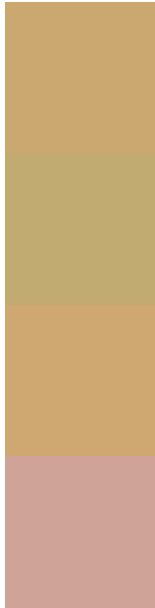
Protanopia
[133, 188, 114](#)

Deuteranopia
[189, 209, 112](#)



Tritanopia
209, 160, 173

Trichromacy



Original Color
169, 203, 112

Protanomaly
143, 193, 113

Deuteranomaly
181, 207, 112

Tritanomaly
207, 166, 151

Monochromacy



Original Color
169, 203, 112

Achromatopsia
172, 172, 172

Achromatomaly
169, 183, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 203, 112 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(203, 168, 112)` looks like.

```
.text, #text, p{  
    color:rgb(203, 168, 112)  
}
```

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(203, 168, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 168, 112) }
```

Border

The CSS property to change the border of an element to RYB 169, 203, 112 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(203, 168, 112) }
```

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

```
.border{ border-color:rgb(203, 168, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 168, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 168, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 168, 112);  
box-shadow:4px 4px 4px 4px rgb(203, 168,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 169, 203, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 168, 112) }
```

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

```
.background{ background-color: rgb(203,  
168, 112) }
```

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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