

Converting Colors

`RYB(171, 200, 109)`

Have a look what the booklet for
RYB(171, 200, 109) contains.

RYB(171, 200, 109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(171, 200, 109)

Conversions

Conversions Part 1

Format	Color
Hex	C8A36D
RGB	200, 163, 109
RGB Percent	78%, 64%, 43%
CMY	0.2157, 0.3603, 0.5725
CMYK	0.00, 0.18, 0.45, 0.22
HSL	36°, 45%, 61%
HSV	36°, 46%, 78%
XYZ	39.6990, 39.6220, 20.0234
YIQ	167.9070, 39.3860, -8.9500

Conversions

Conversions Part 2

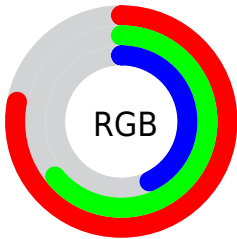
Format	Color
RYB	171, 200, 109
Decimal	13149037
CIELab	69.20, 6.51, 33.16
CIElCh	69, 33.795, 78.888
Yxy	39.6220, 0.3996, 0.3988
Android (android.graphics.Color)	4291339117 (0xFFC8A36D)
YUV	167.9070, -29.0412, 28.1456
Hunter-Lab	62.9460, 2.4214, 25.2018

Details

The RYB color **171, 200, 109** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **109, 135, 200**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **222, 255, 161**, and **114, 144, 60** is the 20% darker color. If you saturate the color by 10%, you get **165, 200, 89**, and if you desaturate by 10%, it is **178, 200, 129**.

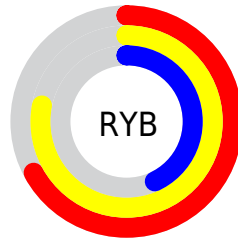
Distribution



Red (78%)

Green (64%)

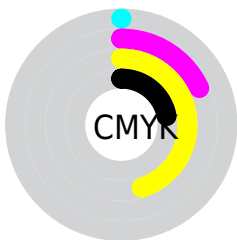
Blue (43%)



Red (67%)

Yellow (78%)

Blue (43%)

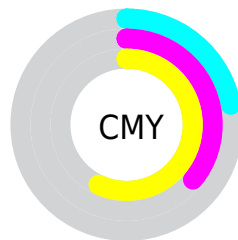


Cyan (0%)

Magenta (18%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (36%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 200, 109 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 171, 200, 109 by changing the saturation by 10% instead.

 171, 200, 109

255, 255, 255

 222, 255, 161

 198, 255, 188

 216, 255, 216

 245, 255, 245

 171, 200, 109

 142, 172, 84

 112, 144, 60

 85, 117, 37

 56, 91, 14

 38, 66, 0

 35, 41, 0

 8, 0, 0

 0, 0, 0

 171, 200, 109

 171, 200, 109

■ 165, 200, 89

■ 178, 200, 129

■ 158, 200, 69

■ 185, 200, 149

■ 151, 200, 49

■ 191, 200, 169

■ 145, 200, 29

■ 195, 200, 189

■ 138, 200, 9

■ 200, 203, 209

■ 136, 200, 0

■ 200, 208, 229

■ 200, 214, 249

■ 200, 219, 255

■ 200, 222, 255

Harmonies

Analogous

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



221, 165, 124



171, 200, 109



110, 173, 113

Triad

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



171, 200, 109



65, 126, 188



196, 154, 209

Complementary

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



171, 200, 109



109, 135, 200

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.



157, 164, 227



171, 200, 109



67, 132, 214

Square

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



171, 200, 109



98, 150, 185



108, 151, 228



222, 147, 182

Rectangle

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



171, 200, 109



120, 178, 151



108, 151, 228



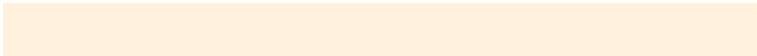
185, 158, 217

Sweetspot

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



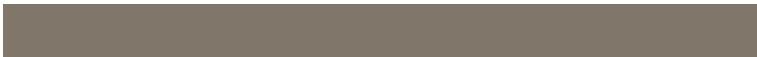
171, 200, 109



242, 255, 219



200, 109, 147



121, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



171, 200, 109



211, 255, 115



109, 200, 117



97, 99, 90



111, 163, 0



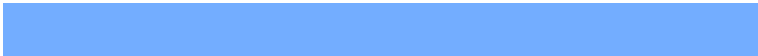
26, 36, 0

Inverse Universe

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



109, 135, 200



115, 156, 255



117, 109, 200



90, 93, 99



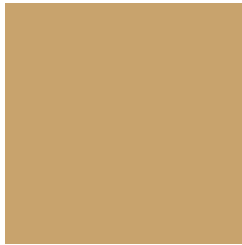
0, 47, 163



0, 10, 36

Previews

White Background



This preview shows how the RYB color 171, 200, 109 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 171, 200, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

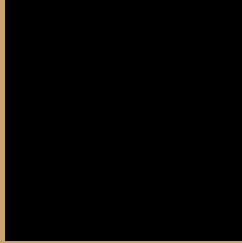
Any Text WCAG AA ✓ Pass

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 171, 200, 109 Background



This preview shows how black text looks on a background with the RYB color 171, 200, 109.

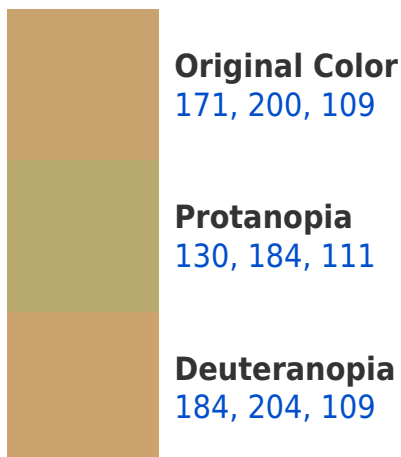



This preview shows how white text looks on a background with the RYB color 171, 200, 109.

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
206, 156, 168

Trichromacy



Original Color

171, 200, 109

Protanomaly

142, 190, 110

Deuteranomaly

182, 203, 109

Tritanomaly

204, 162, 147

Monochromacy



Original Color

171, 200, 109

Achromatopsia

168, 168, 168

Achromatomaly

171, 180, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 200, 109 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(200, 163, 109)` looks like.

```
.text, #text, p{  
    color:rgb(200, 163, 109)  
}
```

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(200, 163, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 163, 109) }
```

Border

The CSS property to change the border of an element to RYB 171, 200, 109 is called "border". The border property can be set on classes, ids or directly on the HTML element.

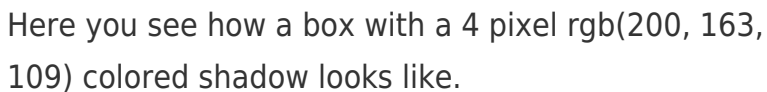
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 163, 109) }
```

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

```
.border{ border-color:rgb(200, 163, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(200, 163, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 163, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 163, 109);  
box-shadow:4px 4px 4px 4px rgb(200, 163,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 171, 200, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 163, 109) }
```

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

```
.background{ background-color: rgb(200,  
163, 109) }
```

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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