

Converting Colors

`RYB(181, 204, 109)`

Have a look what the booklet for
RYB(181, 204, 109) contains.

RYB(181, 204, 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(181, 204, 109)

Conversions

Conversions Part 1

Format	Color
Hex	CCA36D
RGB	204, 163, 109
RGB Percent	80%, 64%, 43%
CMY	0.2000, 0.3606, 0.5725
CMYK	0.00, 0.20, 0.47, 0.20
HSL	34°, 48%, 61%
HSV	34°, 47%, 80%
XYZ	40.7668, 40.1508, 20.0692
YIQ	169.1030, 41.7700, -8.1020

Conversions

Conversions Part 2

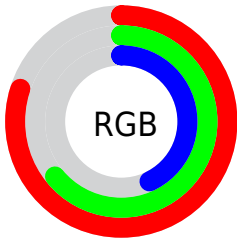
Format	Color
RYB	181, 204, 109
Decimal	13411181
CIELab	69.58, 8.21, 33.73
CIELCh	70, 34.710, 76.321
Yxy	40.1508, 0.4037, 0.3976
Android (android.graphics.Color)	4291601261 (0xFFCCA36D)
YUV	169.1030, -29.6308, 30.6047
Hunter-Lab	63.3646, 3.9531, 25.5766

Details

The RYB color **181, 204, 109** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **109, 138, 204**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **222, 255, 161**, and **124, 148, 60** is the 20% darker color. If you saturate the color by 10%, you get **177, 204, 89**, and if you desaturate by 10%, it is **185, 204, 129**.

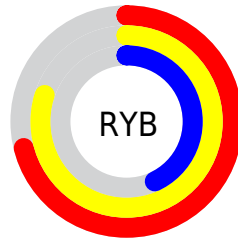
Distribution



Red (80%)

Green (64%)

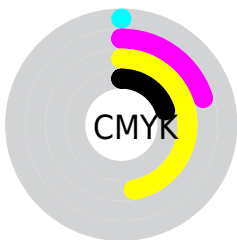
Blue (43%)



Red (71%)

Yellow (80%)

Blue (43%)

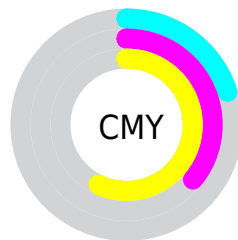


Cyan (0%)

Magenta (20%)

Yellow (47%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 204, 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 181, 204, 109 by changing the saturation by 10% instead.

 181, 204, 109

255, 255, 255


 222, 255, 161

 199, 255, 189

 216, 255, 216

 245, 255, 245

 181, 204, 109


 152, 176, 84

 124, 148, 60

 92, 120, 37

 62, 94, 14

 44, 69, 0

 41, 43, 0

 16, 0, 0

 0, 0, 0

 181, 204, 109

 181, 204, 109

177, 204, 89

185, 204, 129

172, 204, 68

190, 204, 150

165, 204, 48

197, 204, 170

160, 204, 27

202, 204, 191

157, 204, 7

204, 206, 211

155, 204, 0

204, 212, 231

204, 219, 252

204, 222, 255

204, 226, 255

Harmonies

Analogous

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



225, 163, 126



181, 204, 109



110, 174, 109

Triad

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



181, 204, 109



63, 125, 187



195, 156, 214

Complementary

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



181, 204, 109



109, 138, 204

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.



153, 165, 230



181, 204, 109



60, 129, 214

Square

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



181, 204, 109



100, 153, 186



103, 150, 230



223, 147, 186

Rectangle

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



181, 204, 109



118, 179, 146



103, 150, 230



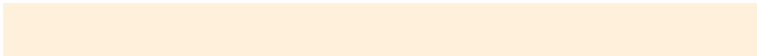
183, 159, 221

Sweetspot

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



181, 204, 109



245, 255, 219



204, 109, 150



124, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



181, 204, 109



221, 255, 112



109, 204, 115



99, 102, 92



127, 166, 0



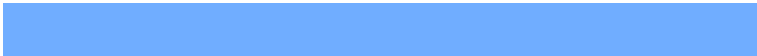
28, 38, 0

Inverse Universe

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



109, 138, 204



112, 155, 255



115, 109, 204



92, 95, 102



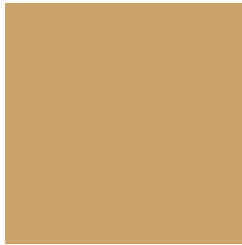
0, 50, 166



0, 11, 38

Previews

White Background



This preview shows how the RYB color 181, 204, 109 looks on a white background.

Color Contrast Check

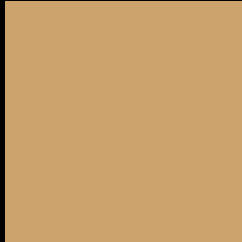
Large Text (above 18pt) WCAG AA × Fail

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 181, 204, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

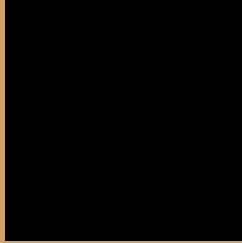
Any Text WCAG AA ✓ Pass

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 181, 204, 109 Background



This preview shows how black text looks on a background with the RYB color 181, 204, 109.

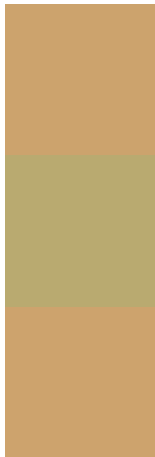


This preview shows how white text looks on a background with the RYB color 181, 204, 109.

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



Original Color
181, 204, 109

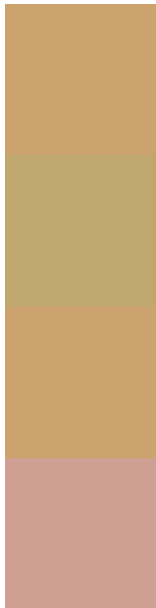
Protanopia
131, 185, 112

Deuteranopia
184, 205, 109



Tritanopia
209, 156, 168

Trichromacy



Original Color
181, 204, 109

Protanomaly
147, 192, 111

Deuteranomaly
184, 205, 109

Tritanomaly
207, 162, 147

Monochromacy



Original Color
181, 204, 109

Achromatopsia
169, 169, 169

Achromatomaly
173, 182, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 204, 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(204, 163, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 163, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 109) }
```

Border

The CSS property to change the border of an element to RYB 181, 204, 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(204, 163, 109) }
```

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

```
.border{ border-color:rgb(204, 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(204, 163, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 181, 204, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 109) }
```

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

```
.background{ background-color: rgb(204,  
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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