

Converting Colors

`RYB(181, 204, 103)`

Have a look what the booklet for
RYB(181, 204, 103) contains.

RYB(181, 204, 103)	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, 103)

Conversions

Conversions Part 1

Format	Color
Hex	CCA067
RGB	204, 160, 103
RGB Percent	80%, 63%, 40%
CMY	0.2000, 0.3726, 0.5961
CMYK	0.00, 0.22, 0.50, 0.20
HSL	34°, 50%, 60%
HSV	34°, 50%, 80%
XYZ	39.9189, 38.9544, 18.2470
YIQ	166.6580, 44.5210, -8.3990

Conversions

Conversions Part 2

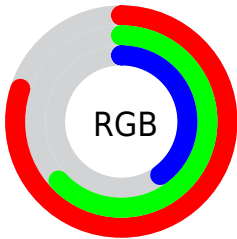
Format	Color
RYB	181, 204, 103
Decimal	13410407
CIELab	68.72, 9.28, 35.80
CIELCh	69, 36.983, 75.473
Yxy	38.9544, 0.4110, 0.4011
Android (android.graphics.Color)	4291600487 (0xFFCCA067)
YUV	166.6580, -31.3834, 32.7489
Hunter-Lab	62.4134, 4.9429, 26.3556

Details

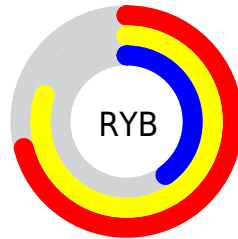
The RYB color **181, 204, 103** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **103, 134, 204**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **222, 255, 155**, and **118, 147, 54** is the 20% darker color. If you saturate the color by 10%, you get **177, 204, 83**, and if you desaturate by 10%, it is **185, 204, 123**.

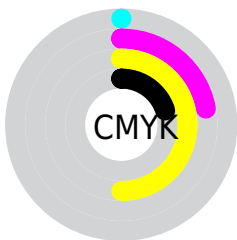
Distribution



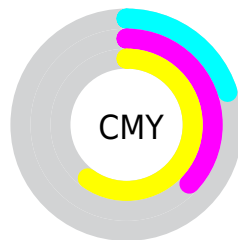
- Red (80%)
- Green (63%)
- Blue (40%)



- Red (71%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (22%)
- Yellow (50%)
- Black (20%)




- Cyan (20%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 204, 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 181, 204, 103 by changing the saturation by 10% instead.

 181, 204, 103

 181, 204, 103


255, 255, 255

 149, 175, 78

 222, 255, 155

 118, 147, 54

 196, 255, 182

 91, 120, 31

 210, 255, 210

 57, 93, 6

 238, 255, 238

 51, 68, 0

 42, 35, 0

 10, 0, 0

 0, 0, 0

 181, 204, 103

 181, 204, 103

177, 204, 83

185, 204, 123

172, 204, 62

190, 204, 144

168, 204, 42

194, 204, 164

163, 204, 21

199, 204, 185

156, 204, 1

204, 204, 205

158, 204, 0

204, 210, 225

204, 217, 246

204, 222, 255

204, 225, 255

Harmonies

Analogous

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



226, 159, 121



181, 204, 103



103, 172, 102

Triad

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



181, 204, 103



44, 116, 186



193, 153, 215

Complementary

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



181, 204, 103



103, 134, 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.



147, 162, 232



181, 204, 103



33, 115, 214

Square

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



181, 204, 103



92, 148, 184



91, 144, 232



223, 144, 185

Rectangle

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



181, 204, 103



112, 177, 141



91, 144, 232



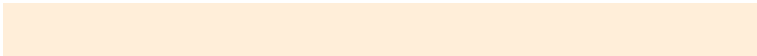
180, 157, 222

Sweetspot

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



181, 204, 103



248, 255, 217



204, 103, 148



126, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



181, 204, 103



223, 255, 105



103, 204, 108



99, 102, 92



127, 166, 0



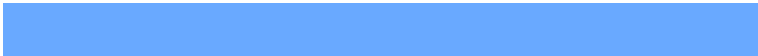
28, 38, 0

Inverse Universe

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



103, 134, 204



105, 150, 255



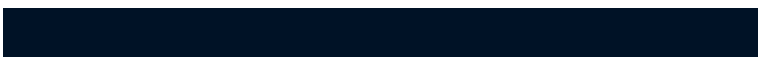
108, 103, 204



92, 95, 102



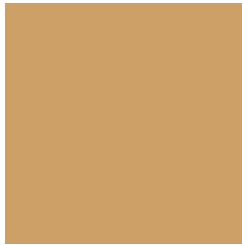
0, 50, 166



0, 12, 38

Previews

White Background



This preview shows how the RYB color 181, 204, 103 looks on a white background.

Color Contrast Check

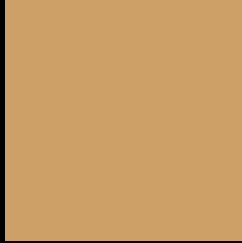
Large Text (above 18pt) WCAG AA × Fail

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 181, 204, 103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

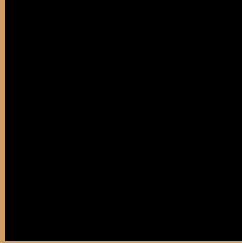
Any Text WCAG AA ✓ Pass

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 181, 204, 103 Background



This preview shows how black text looks on a background with the RYB color 181, 204, 103.



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



Original Color
181, 204, 103

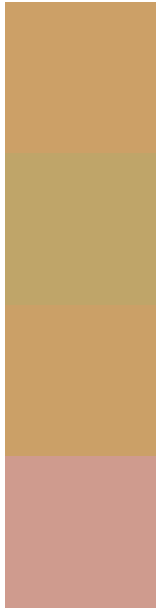
Protanopia
125, 183, 106

Deuteranopia
178, 203, 103



Tritanopia
209, 152, 164

Trichromacy



Original Color
181, 204, 103

Protanomaly
142, 191, 105

Deuteranomaly
178, 203, 103

Tritanomaly
207, 158, 142

Monochromacy



Original Color
181, 204, 103

Achromatopsia
167, 167, 167

Achromatomaly
173, 180, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 204, 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(204, 160, 103)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 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(204, 160, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 103) }
```

Border

The CSS property to change the border of an element to RYB 181, 204, 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(204, 160, 103) }
```

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

```
.border{ border-color:rgb(204, 160, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 160, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 103);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 181, 204, 103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 103) }
```

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

```
.background{ background-color: rgb(204,  
160, 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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