

Converting Colors

`RYB(218, 218, 104)`

Have a look what the booklet for
RYB(218, 218, 104) contains.

RYB(218, 218, 104)	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(218, 218, 104)

Conversions

Conversions Part 1

Format	Color
Hex	DAA168
RGB	218, 161, 104
RGB Percent	85%, 63%, 41%
CMY	0.1451, 0.3686, 0.5922
CMYK	0.00, 0.26, 0.52, 0.15
HSL	30°, 61%, 63%
HSV	30°, 52%, 85%
XYZ	44.1570, 41.3946, 18.7593
YIQ	171.5450, 52.2690, -5.6430

Conversions

Conversions Part 2

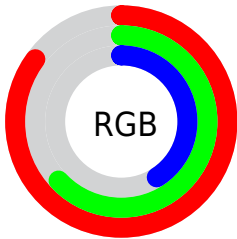
Format	Color
R _{YB}	218, 218, 104
Decimal	14328168
CIE Lab	70.45, 14.61, 37.77
CIE LCh	70, 40.495, 68.847
Yxy	41.3946, 0.4233, 0.3968
Android (android.graphics.Color)	4292518248 (0xFFDAA168)
YUV	171.5450, -33.2997, 40.7410
Hunter-Lab	64.3387, 9.9157, 27.7498

Details

The RYB color **218, 218, 104** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **104, 142, 218**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **220, 255, 156**, and **154, 160, 55** is the 20% darker color. If you saturate the color by 10%, you get **218, 218, 82**, and if you desaturate by 10%, it is **218, 218, 126**.

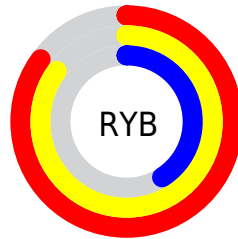
Distribution



Red (85%)

Green (63%)

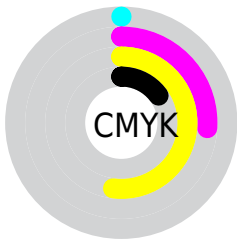
Blue (41%)



Red (85%)

Yellow (85%)

Blue (41%)

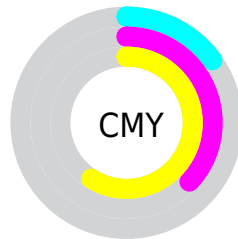


Cyan (0%)

Magenta (26%)

Yellow (52%)

Black (15%)



Cyan (15%)

Magenta (37%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 218, 104 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 218, 218, 104 by changing the saturation by 10% instead.

 218, 218, 104

 218, 218, 104


255, 255, 255


 185, 189, 79

 220, 255, 156

 154, 160, 55

 196, 255, 183

 121, 132, 32

 211, 255, 211

 84, 105, 7

 240, 255, 240

 74, 78, 0


 52, 30, 0

 29, 0, 0

 0, 0, 0

 218, 218, 104

 218, 218, 104

 218, 218, 82

 218, 218, 126

 218, 218, 60


 218, 218, 148

 218, 216, 39

 216, 218, 169

 218, 216, 17

 216, 218, 191

 218, 218, 0

 216, 218, 213

 218, 223, 235

 218, 231, 255

 218, 235, 255

 218, 237, 255

Harmonies

Analogous

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



239, 154, 128



218, 218, 104



111, 185, 98

Triad

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



218, 218, 104



34, 116, 192



190, 159, 230

Complementary

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



218, 218, 104



104, 142, 218

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.



136, 163, 245



218, 218, 104



0, 101, 217

Square

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



218, 218, 104



99, 159, 190



64, 135, 240



227, 147, 200

Rectangle

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



218, 218, 104



106, 181, 128



64, 135, 240



174, 163, 237

Sweetspot

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



218, 218, 104



253, 255, 214



218, 104, 161



128, 126, 103



0, 0, 0



128, 128, 128

Same Dimension

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



218, 218, 104



253, 255, 94



104, 218, 104



110, 108, 99



171, 173, 0



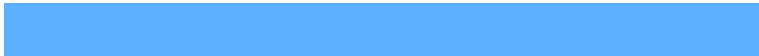
46, 46, 0

Inverse Universe

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



104, 142, 218



94, 148, 255



104, 104, 218



99, 102, 110



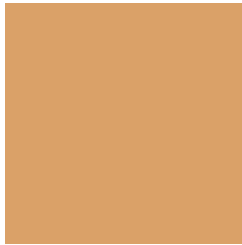
0, 58, 173



0, 15, 46

Previews

White Background



This preview shows how the RYB color 218, 218, 104 looks on a white background.

Color Contrast Check

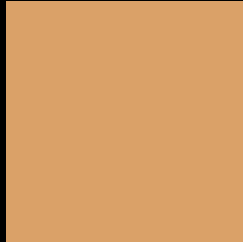
Large Text (above 18pt) WCAG AA × Fail

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 218, 218, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

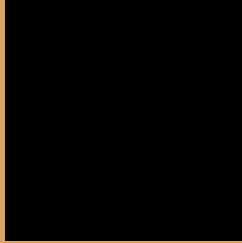
Any Text WCAG AA ✓ Pass

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 218, 218, 104 Background



This preview shows how black text looks on a background with the RYB color 218, 218, 104.



This preview shows how white text looks on a background with the RYB color 218, 218, 104.

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
218, 218, 104

Protanopia
126, 188, 108

Deuteranopia
178, 209, 103



Tritanopia
223, 153, 165

Trichromacy



Original Color
218, 218, 104

Protanomaly
152, 199, 107

Deuteranomaly
189, 212, 103

Tritanomaly
221, 159, 143

Monochromacy



Original Color
218, 218, 104

Achromatopsia
172, 172, 172

Achromatomaly
189, 189, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 218, 104 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(218, 161, 104)` looks like.

```
.text, #text, p{  
    color:rgb(218, 161, 104)  
}
```

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(218, 161, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 161, 104) }
```

Border

The CSS property to change the border of an element to RYB 218, 218, 104 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(218, 161, 104) }
```

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

```
.border{ border-color:rgb(218, 161, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 161, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 161, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 161, 104);  
box-shadow:4px 4px 4px 4px rgb(218, 161,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 218, 161, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 161, 104) }
```

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

```
.background{ background-color: rgb(218,  
161, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor