

Converting Colors

`RYB(178, 212, 102)`

Have a look what the booklet for
RYB(178, 212, 102) contains.

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Color

R_YB(178, 212, 102)

Conversions

Conversions Part 1

Format	Color
Hex	D4A766
RGB	212, 167, 102
RGB Percent	83%, 65%, 40%
CMY	0.1686, 0.3449, 0.6000
CMYK	0.00, 0.21, 0.52, 0.17
HSL	35°, 56%, 62%
HSV	35°, 52%, 83%
XYZ	43.3782, 42.6135, 18.5093
YIQ	173.0450, 47.6850, -10.6750

Conversions

Conversions Part 2

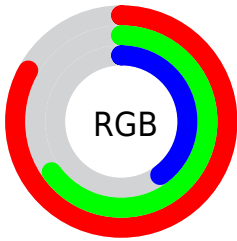
Format	Color
RYB	178, 212, 102
Decimal	13936486
CIELab	71.29, 8.70, 39.71
CIELCh	71, 40.654, 77.642
Yxy	42.6135, 0.4151, 0.4078
Android (android.graphics.Color)	4292126566 (0xFFD4A766)
YUV	173.0450, -35.0252, 34.1635
Hunter-Lab	65.2790, 4.3758, 28.8841

Details

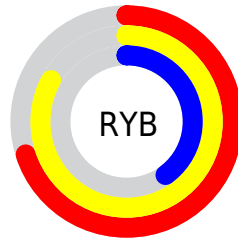
The RYB color **178, 212, 102** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **102, 134, 212**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **203, 255, 154**, and **119, 155, 53** is the 20% darker color. If you saturate the color by 10%, you get **173, 212, 81**, and if you desaturate by 10%, it is **183, 212, 123**.

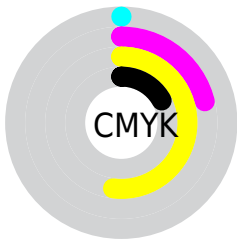
Distribution



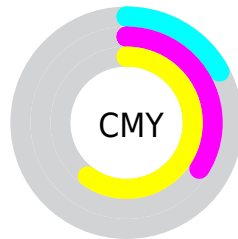
- Red (83%)
- Green (65%)
- Blue (40%)



- Red (70%)
- Yellow (83%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (52%)
- Black (17%)



- Cyan (17%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 212, 102 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 178, 212, 102 by changing the saturation by 10% instead.

 178, 212, 102

 178, 212, 102

255, 255, 255

 147, 183, 77


 203, 255, 154

 119, 155, 53

 185, 255, 181

 86, 127, 29

 209, 255, 209

 53, 100, 3

 238, 255, 238

 48, 74, 0

 44, 48, 0

 24, 0, 0

 0, 0, 0

 178, 212, 102

 178, 212, 102

■ 173, 212, 81

■ 183, 212, 123

■ 165, 212, 60

■ 192, 212, 144

■ 158, 212, 38

■ 198, 212, 166

■ 153, 212, 17

■ 204, 212, 187

■ 148, 212, 0

■ 212, 212, 208

■ 212, 217, 229

■ 212, 223, 250

■ 212, 227, 255

■ 212, 231, 255

Harmonies

Analogous

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



237, 167, 121



178, 212, 102



103, 179, 105

Triad

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



178, 212, 102



0, 97, 196



206, 157, 225

Complementary

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



178, 212, 102



102, 134, 212

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.



156, 169, 245



178, 212, 102



0, 104, 228

Square

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



178, 212, 102



85, 150, 193



90, 148, 246



237, 147, 192

Rectangle

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



178, 212, 102



114, 186, 151



90, 148, 246



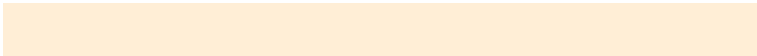
191, 161, 233

Sweetspot

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



178, 212, 102



243, 255, 214



212, 102, 148



120, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



178, 212, 102



207, 255, 97



102, 212, 111



102, 107, 96



119, 171, 0



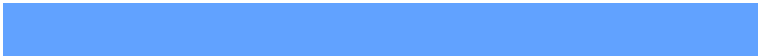
28, 43, 0

Inverse Universe

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



102, 134, 212



97, 143, 255



111, 102, 212



96, 99, 107



0, 50, 171



0, 13, 43

Previews

White Background



This preview shows how the RYB color 178, 212, 102 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 178, 212, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

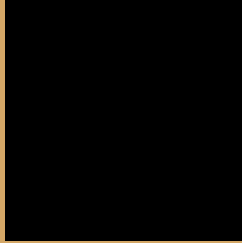
Any Text WCAG AA ✓ Pass

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](#).

R Y B 178, 212, 102 Background



This preview shows how black text looks on a background with the RYB color 178, 212, 102.



This preview shows how white text looks on a background with the RYB color 178, 212, 102.

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
178, 212, 102

Protanopia
125, 191, 105

Deuteranopia
181, 213, 102



Tritanopia
218, 159, 171

Trichromacy



Original Color
178, 212, 102

Protanomaly
142, 199, 104

Deuteranomaly
181, 213, 102

Tritanomaly
216, 167, 146

Monochromacy



Original Color
178, 212, 102

Achromatopsia
173, 173, 173

Achromatomaly
174, 187, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 212, 102 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(212, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(212, 167, 102)  
}
```

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(212, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 167, 102) }
```

Border

The CSS property to change the border of an element to RYB 178, 212, 102 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(212, 167, 102) }
```

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

```
.border{ border-color:rgb(212, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(212, 167,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 178, 212, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 167, 102) }
```

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

```
.background{ background-color: rgb(212,  
167, 102) }
```

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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