

Converting Colors

`RYB(142, 205, 118)`

Have a look what the booklet for
RYB(142, 205, 118) contains.

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Color

R_YB(142, 205, 118)

Conversions

Conversions Part 1

Format	Color
Hex	CDBA76
RGB	205, 186, 118
RGB Percent	80%, 73%, 46%
CMY	0.1961, 0.2698, 0.5373
CMYK	0.00, 0.09, 0.42, 0.20
HSL	47°, 47%, 63%
HSV	47°, 42%, 80%
XYZ	46.0456, 49.4847, 24.2642
YIQ	183.9290, 33.1520, -17.1200

Conversions

Conversions Part 2

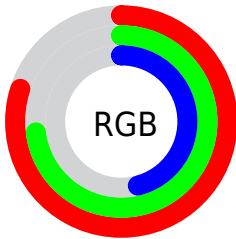
Format	Color
RYB	142, 205, 118
Decimal	13482614
CIELab	75.75, -2.79, 36.94
CIELCh	76, 37.043, 94.318
Yxy	49.4847, 0.3844, 0.4131
Android (android.graphics.Color)	4291672694 (0xFFCDBA76)
YUV	183.9290, -32.5030, 18.4793
Hunter-Lab	70.3454, -6.2645, 28.7909

Details

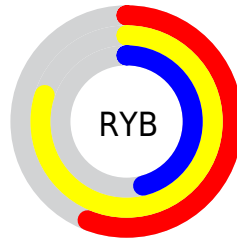
The RYB color **142, 205, 118** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **118, 134, 205**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **186, 255, 171**, and **88, 149, 68** is the 20% darker color. If you saturate the color by 10%, you get **127, 205, 98**, and if you desaturate by 10%, it is **157, 205, 139**.

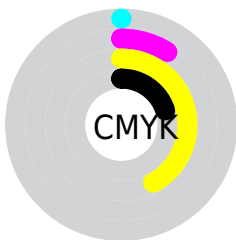
Distribution



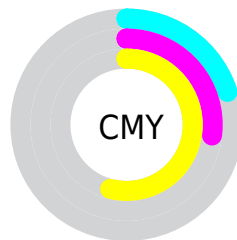
- Red (80%)
- Green (73%)
- Blue (46%)



- Red (56%)
- Yellow (80%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (42%)
- Black (20%)



- Cyan (20%)
- Magenta (27%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the RYB color 142, 205, 118 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 142, 205, 118 by changing the saturation by 10% instead.

 142, 205, 118

 142, 205, 118


255, 255, 255

 116, 177, 93

 186, 255, 171

 88, 149, 68

 199, 255, 199

 61, 122, 44

 227, 255, 227

 34, 96, 20

 12, 71, 0

 8, 46, 0

 2, 21, 0

 0, 0, 0

 142, 205, 118

 142, 205, 118

■ 127, 205, 98

■ 157, 205, 139

■ 113, 205, 77

■ 172, 205, 159

■ 98, 205, 57

■ 188, 205, 180

■ 83, 205, 36

■ 201, 205, 200

■ 68, 205, 16

■ 205, 208, 221

■ 56, 205, 0

■ 205, 212, 241

■ 205, 215, 255

■ 205, 218, 255

■ 205, 220, 255

Harmonies

Analogous

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



234, 212, 126



142, 205, 118



129, 196, 157

Triad

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



142, 205, 118



61, 137, 224



234, 165, 217

Complementary

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



142, 205, 118



118, 134, 205

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.



197, 176, 243



142, 205, 118



92, 155, 247

Square

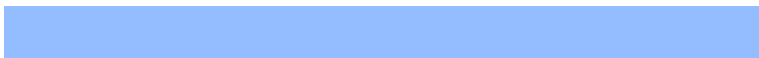
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



142, 205, 118



86, 149, 205



147, 177, 254



252, 160, 183

Rectangle

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



142, 205, 118



142, 197, 201



147, 177, 254



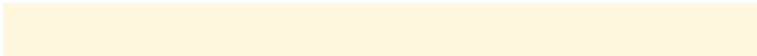
224, 168, 227

Sweetspot

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



142, 205, 118



231, 255, 222



205, 118, 137



114, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



142, 205, 118



161, 255, 125



118, 205, 143



95, 102, 92



46, 166, 0



10, 38, 0

Inverse Universe

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



118, 134, 205



125, 148, 255



143, 118, 205



92, 94, 102



0, 30, 166



0, 7, 38

Previews

White Background



This preview shows how the RYB color 142, 205, 118 looks on a white background.

Color Contrast Check

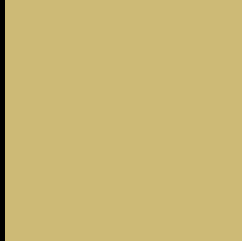
Large Text (above 18pt) WCAG AA × Fail

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 142, 205, 118 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 142, 205, 118 Background



This preview shows how black text looks on a background with the RYB color 142, 205, 118.



This preview shows how white text looks on a background with the RYB color 142, 205, 118.

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
142, 205, 118

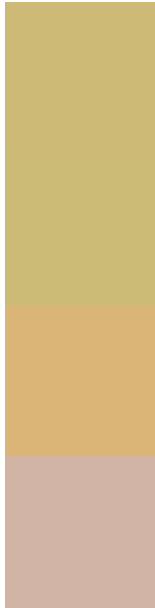
Protanopia
138, 203, 118

Deuteranopia
205, 225, 120



Tritanopia
213, 177, 191

Trichromacy



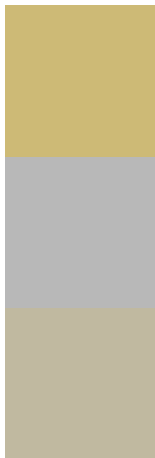
Original Color
142, 205, 118

Protanomaly
139, 204, 118

Deuteranomaly
178, 218, 119

Tritanomaly
210, 189, 164

Monochromacy



Original Color
142, 205, 118

Achromatopsia
184, 184, 184

Achromatomaly
169, 192, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 142, 205, 118 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(205, 186, 118)` looks like.

```
.text, #text, p{  
    color:rgb(205, 186, 118)  
}
```

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(205, 186, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 186, 118) }
```

Border

The CSS property to change the border of an element to RYB 142, 205, 118 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(205, 186, 118) }
```

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

```
.border{ border-color:rgb(205, 186, 118) }
```

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

Here you see how a box with a 4 pixel rgb(205, 186, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 186, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 186, 118);  
box-shadow:4px 4px 4px 4px rgb(205, 186,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 142, 205, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 186, 118) }
```

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

```
.background{ background-color: rgb(205,  
186, 118) }
```

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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