

Converting Colors

`RYB(118, 200, 146)`

Have a look what the booklet for
RYB(118, 200, 146) contains.

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Color

R_YB(118, 200, 146)

Conversions

Conversions Part 1

Format	Color
Hex	ACC876
RGB	172, 200, 118
RGB Percent	67%, 78%, 46%
CMY	0.3255, 0.2157, 0.5373
CMYK	0.14, 0.00, 0.41, 0.22
HSL	80°, 43%, 62%
HSV	80°, 41%, 78%
XYZ	40.9375, 51.3872, 24.9006
YIQ	182.2800, 9.6340, -31.4380

Conversions

Conversions Part 2

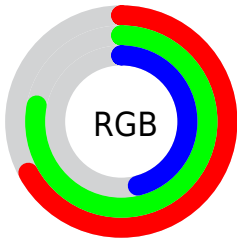
Format	Color
RYB	118, 200, 146
Decimal	11323510
CIELab	76.91, -22.89, 37.89
CIELCh	77, 44.265, 121.135
Yxy	51.3872, 0.3492, 0.4384
Android (android.graphics.Color)	4289513590 (0xFFACC876)
YUV	182.2800, -31.6900, -9.0156
Hunter-Lab	71.6849, -23.5114, 29.5843

Details

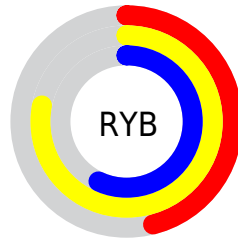
The RYB color **118, 200, 146** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **146, 118, 200**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **171, 255, 198**, and **68, 146, 96** is the 20% darker color. If you saturate the color by 10%, you get **98, 200, 133**, and if you desaturate by 10%, it is **138, 200, 159**.

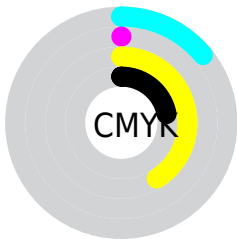
Distribution



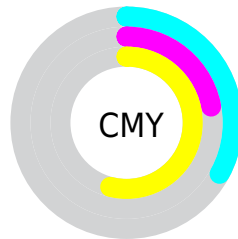
- Red (67%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 200, 146 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 118, 200, 146 by changing the saturation by 10% instead.

 118, 200, 146


255, 255, 255


 171, 255, 198


 199, 255, 199

 227, 255, 227

 118, 200, 146

 92, 173, 120

 68, 146, 96

 43, 120, 71

 18, 95, 46

 0, 71, 28

 0, 49, 30

 0, 30, 30

 0, 0, 0

 118, 200, 146

 118, 200, 146

 98, 200, 133

 138, 200, 159

 78, 200, 120

 158, 200, 172

 58, 200, 106

 178, 200, 186

 38, 200, 93

 198, 200, 199

 18, 200, 80

 206, 200, 218

 0, 200, 68

 213, 200, 238

 220, 200, 255

 227, 200, 255

 233, 200, 255

Harmonies

Analogous

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



143, 215, 107



118, 200, 146



122, 187, 208

Triad

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



118, 200, 146



37, 132, 255



255, 157, 190

Complementary

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



118, 200, 146



146, 118, 200

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.



243, 164, 230



118, 200, 146



130, 172, 255

Square

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



118, 200, 146



0, 110, 231



196, 179, 255



255, 162, 150

Rectangle

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



118, 200, 146



82, 157, 211



196, 179, 255



255, 159, 204

Sweetspot

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



118, 200, 146



224, 255, 234



200, 158, 118



110, 128, 117



0, 0, 0



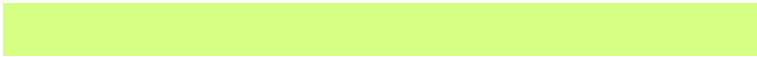
128, 128, 128

Same Dimension

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



118, 200, 146



130, 255, 173



118, 200, 186



90, 99, 93



0, 163, 56



0, 36, 12

Inverse Universe

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



146, 118, 200



173, 130, 255



186, 118, 200



93, 90, 99



56, 0, 163



12, 0, 36

Previews

White Background



This preview shows how the RYB color 118, 200, 146 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 118, 200, 146 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 118, 200, 146 Background



This preview shows how black text looks on a background with the RYB color 118, 200, 146.



This preview shows how white text looks on a background with the RYB color 118, 200, 146.

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](#).

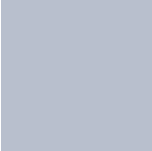
Dichromacy



Original Color
118, 200, 146

Protanopia
135, 207, 114

Deuteranopia
206, 228, 122



Tritanopia
184, 189, 205

Trichromacy



Original Color

118, 200, 146

Protanomaly

115, 194, 115

Deuteranomaly

147, 208, 121

Tritanomaly

173, 194, 187

Monochromacy



Original Color

118, 200, 146

Achromatopsia

182, 182, 182

Achromatomaly

159, 189, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 200, 146 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(172, 200, 118)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 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(172, 200, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 118) }
```

Border

The CSS property to change the border of an element to RYB 118, 200, 146 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(172, 200, 118) }
```

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

```
.border{ border-color:rgb(172, 200, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 200, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 118);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
118) }
```

Background

The CSS property to change the background color of an element to RYB 118, 200, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 118) }
```

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

```
.background{ background-color: rgb(172,  
200, 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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