

Converting Colors

`RYB(106, 178, 119)`

Have a look what the booklet for
RYB(106, 178, 119) contains.

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Color

R_YB(106, 178, 119)

Conversions

Conversions Part 1

Format	Color
Hex	A5B26A
RGB	165, 178, 106
RGB Percent	65%, 70%, 42%
CMY	0.3529, 0.3020, 0.5843
CMYK	0.07, 0.00, 0.40, 0.30
HSL	71°, 32%, 56%
HSV	71°, 40%, 70%
XYZ	34.0390, 40.8807, 19.7324
YIQ	165.9050, 15.3640, -25.1480

Conversions

Conversions Part 2

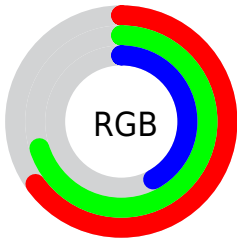
Format	Color
RYB	106, 178, 119
Decimal	10859114
CIELab	70.09, -16.02, 35.25
CIELCh	70, 38.722, 114.432
Yxy	40.8807, 0.3596, 0.4319
Android (android.graphics.Color)	4289049194 (0xFFA5B26A)
YUV	165.9050, -29.5332, -0.7937
Hunter-Lab	63.9380, -16.8628, 26.4587

Details

The RYB color **106, 178, 119** is a light color, and the websafe version is hex **999966**. A complement of this color would be **119, 106, 178**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **158, 234, 171**, and **57, 125, 70** is the 20% darker color. If you saturate the color by 10%, you get **88, 178, 104**, and if you desaturate by 10%, it is **124, 178, 134**.

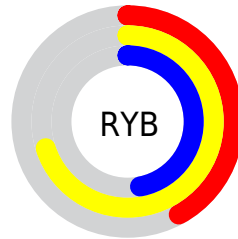
Distribution



Red (65%)

Green (70%)

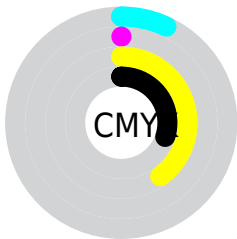
Blue (42%)



Red (42%)

Yellow (70%)

Blue (47%)

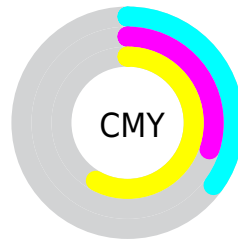


Cyan (7%)

Magenta (0%)

Yellow (40%)

Black (30%)



Cyan (35%)

Magenta (30%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 178, 119 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 106, 178, 119 by changing the saturation by 10% instead.

 106, 178, 119


255, 255, 255


 158, 234, 171

 186, 255, 191

 214, 255, 214

 242, 255, 242

 106, 178, 119


 81, 151, 94

 57, 125, 70

 33, 100, 47

 7, 77, 22


 0, 54, 15

 0, 33, 19

 0, 1, 1

 0, 0, 0

 106, 178, 119

 106, 178, 119

■ 88, 178, 104

■ 124, 178, 134

■ 70, 178, 89

■ 142, 178, 149

■ 53, 178, 76

■ 159, 178, 162

■ 35, 178, 61

■ 177, 178, 177

■ 17, 178, 46

■ 181, 178, 195

■ 0, 178, 32

■ 184, 178, 213

■ 187, 178, 231

■ 191, 178, 248

■ 194, 178, 255

Harmonies

Analogous

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



151, 200, 101



106, 178, 119



124, 181, 186

Triad

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



106, 178, 119



38, 121, 228



234, 144, 179

Complementary

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



106, 178, 119



119, 106, 178

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.



209, 152, 213



106, 178, 119



108, 153, 241

Square

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



106, 178, 119



10, 102, 199



166, 165, 235



239, 146, 144

Rectangle

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



106, 178, 119



93, 153, 189



166, 165, 235



228, 146, 191

Sweetspot

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



106, 178, 119



204, 232, 209



178, 120, 106



101, 117, 104



245, 245, 245



117, 117, 117

Same Dimension

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



106, 178, 119



118, 232, 138



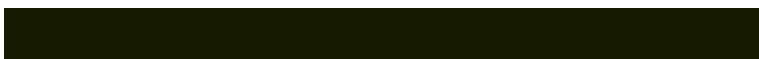
106, 178, 154



80, 89, 81



0, 153, 28



0, 26, 5

Inverse Universe

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



119, 106, 178



139, 118, 232



154, 106, 178



82, 80, 89



28, 0, 153



5, 0, 26

Previews

White Background



This preview shows how the RYB color 106, 178, 119 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 106, 178, 119 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 106, 178, 119 Background



This preview shows how black text looks on a background with the RYB color 106, 178, 119.



This preview shows how white text looks on a background with the RYB color 106, 178, 119.

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
106, 178, 119

Protanopia
123, 187, 103

Deuteranopia
186, 206, 109



Tritanopia

174, 169, 182

Trichromacy



Original Color
106, 178, 119

Protanomaly
109, 179, 104

Deuteranomaly
140, 191, 108

Tritanomaly
154, 172, 155

Monochromacy



Original Color
106, 178, 119

Achromatopsia
166, 166, 166

Achromatomaly
144, 170, 148

CSS Examples

Text

The CSS property to change the color of the text to RGB 106, 178, 119 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(165, 178, 106) looks like.

```
.text, #text, p{  
    color:rgb(165, 178, 106)  
}
```

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(165, 178, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 178, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 178, 119 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(165, 178, 106) }
```

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

```
.border{ border-color:rgb(165, 178, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 178, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 178, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 178, 106);  
box-shadow:4px 4px 4px 4px rgb(165, 178,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 178, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 178, 106) }
```

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

```
.background{ background-color: rgb(165,  
178, 106) }
```

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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