

Converting Colors

`RYB(116, 178, 119)`

Have a look what the booklet for
RYB(116, 178, 119) contains.

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Color

RYB(116, 178, 119)

Conversions

Conversions Part 1

Format	Color
Hex	AFB274
RGB	175, 178, 116
RGB Percent	69%, 70%, 45%
CMY	0.3137, 0.3020, 0.5451
CMYK	0.02, 0.00, 0.35, 0.30
HSL	63°, 29%, 58%
HSV	63°, 35%, 70%
XYZ	36.7520, 42.2157, 22.7344
YIQ	170.0350, 18.1140, -19.9180

Conversions

Conversions Part 2

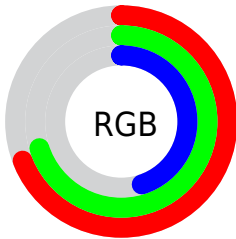
Format	Color
RYB	116, 178, 119
Decimal	11514484
CIELab	71.02, -10.82, 31.38
CIELCh	71, 33.195, 109.021
Yxy	42.2157, 0.3614, 0.4151
Android (android.graphics.Color)	4289704564 (0xFFAFB274)
YUV	170.0350, -26.6393, 4.3543
Hunter-Lab	64.9736, -12.7363, 24.7358

Details

The RYB color **116, 178, 119** is a light color, and the websafe version is hex **999966**. A complement of this color would be **119, 116, 178**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **169, 234, 172**, and **67, 125, 71** is the 20% darker color. If you saturate the color by 10%, you get **98, 178, 102**, and if you desaturate by 10%, it is **134, 178, 136**.

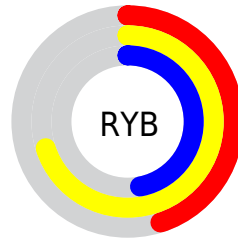
Distribution



Red (69%)

Green (70%)

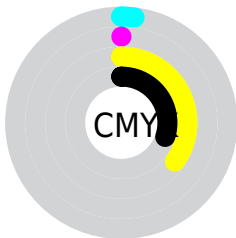
Blue (45%)



Red (45%)

Yellow (70%)

Blue (47%)

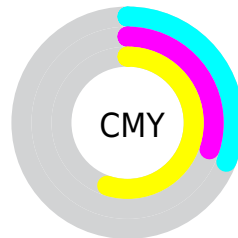


Cyan (2%)

Magenta (0%)

Yellow (35%)

Black (30%)



Cyan (31%)

Magenta (30%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 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 116, 178, 119 by changing the saturation by 10% instead.

 116, 178, 119

255, 255, 255

 169, 234, 172


 196, 255, 196


 224, 255, 224

253, 255, 253


 116, 178, 119

 116, 178, 119

 91, 151, 94

 67, 125, 71

 43, 101, 48


 20, 77, 26

 0, 54, 6

 0, 33, 8

 0, 7, 7

 0, 0, 0

 116, 178, 119

■ 98, 178, 102

■ 134, 178, 136

■ 80, 178, 85

■ 152, 178, 153

■ 63, 178, 69

■ 169, 178, 169

■ 45, 178, 51

■ 178, 178, 187

■ 27, 178, 34

■ 179, 178, 205

■ 9, 178, 17

■ 180, 178, 223

■ 0, 178, 9

■ 181, 178, 241

■ 182, 178, 255

■ 183, 178, 255

Harmonies

Analogous

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



178, 205, 115



116, 178, 119



133, 185, 177

Triad

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



116, 178, 119



77, 139, 219



226, 152, 186

Complementary

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



116, 178, 119



119, 116, 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.



201, 159, 214



116, 178, 119



116, 157, 233

Square

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



116, 178, 119



74, 132, 192



162, 169, 231



234, 152, 156

Rectangle

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



116, 178, 119



116, 165, 189



162, 169, 231



220, 154, 196

Sweetspot

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



116, 178, 119



209, 232, 210



178, 118, 116



103, 117, 103



245, 245, 245



117, 117, 117

Same Dimension

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



116, 178, 119



135, 232, 140



116, 178, 149



80, 89, 80



0, 153, 7



0, 26, 2

Inverse Universe

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



119, 116, 178



139, 135, 232



149, 116, 178



81, 80, 89



7, 0, 153



1, 0, 26

Previews

White Background



This preview shows how the RYB color 116, 178, 119 looks on a white background.

Color Contrast Check

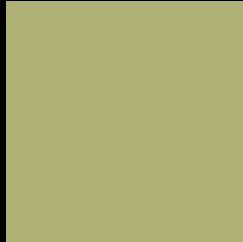
Large Text (above 18pt) WCAG AA × Fail

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 116, 178, 119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

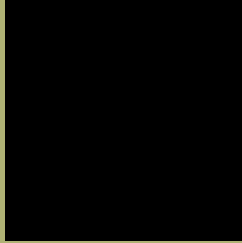
Any Text WCAG AA ✓ Pass

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](#).

R Y B 116, 178, 119 Background



This preview shows how black text looks on a background with the RYB color 116, 178, 119.



This preview shows how white text looks on a background with the RYB color 116, 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
116, 178, 119

Protanopia
133, 189, 114

Deuteranopia
199, 208, 119



Tritanopia
183, 170, 183

Trichromacy



Original Color
116, 178, 119

Protanomaly
125, 184, 115

Deuteranomaly
157, 196, 118

Tritanomaly
170, 180, 159

Monochromacy



Original Color
116, 178, 119

Achromatopsia
170, 170, 170

Achromatomaly
150, 173, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 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(175, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 116)  
}
```

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(175, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 116) }
```

Border

The CSS property to change the border of an element to RYB 116, 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(175, 178, 116) }
```

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

```
.border{ border-color:rgb(175, 178, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 116, 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(175, 178, 116) }
```

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

```
.background{ background-color: rgb(175,  
178, 116) }
```

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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