

Converting Colors

`RYB(109, 146, 118)`

Have a look what the booklet for
RYB(109, 146, 118) contains.

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Color

R_YB(109, 146, 118)

Conversions

Conversions Part 1

Format	Color
Hex	89926D
RGB	137, 146, 109
RGB Percent	54%, 57%, 43%
CMY	0.4627, 0.4275, 0.5725
CMYK	0.06, 0.00, 0.25, 0.43
HSL	75°, 15%, 50%
HSV	75°, 25%, 57%
XYZ	23.3557, 26.9803, 18.4447
YIQ	139.0910, 6.5130, -13.4150

Conversions

Conversions Part 2

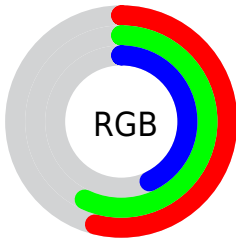
Format	Color
R_{YB}	109, 146, 118
Decimal	9015917
CIE _{Lab}	58.96, -9.91, 18.57
CIE _{LCh}	59, 21.051, 118.086
Yxy	26.9803, 0.3396, 0.3923
Android (android.graphics.Color)	4287205997 (0xFF89926D)
YUV	139.0910, -14.8349, -1.8338
Hunter-Lab	51.9425, -10.6377, 15.3060

Details

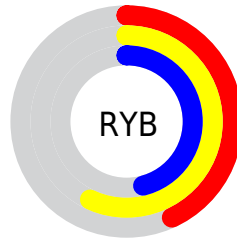
The RYB color **109, 146, 118** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **118, 109, 146**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **161, 200, 170**, and **61, 96, 70** is the 20% darker color. If you saturate the color by 10%, you get **94, 146, 107**, and if you desaturate by 10%, it is **124, 146, 129**.

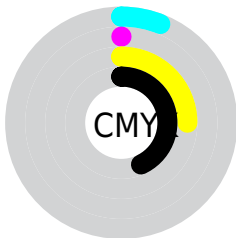
Distribution



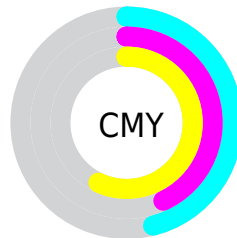
- Red (54%)
- Green (57%)
- Blue (43%)



- Red (43%)
- Yellow (57%)
- Blue (46%)



- Cyan (6%)
- Magenta (0%)
- Yellow (25%)
- Black (43%)



- Cyan (46%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 146, 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 109, 146, 118 by changing the saturation by 10% instead.

 109, 146, 118

255, 255, 255


 161, 200, 170

 188, 228, 197

 216, 255, 224

 244, 255, 244


 109, 146, 118

 94, 146, 107

 80, 146, 96

 109, 146, 118

 85, 120, 94

 61, 96, 70


 39, 72, 48


 18, 49, 26

 0, 28, 7

 0, 0, 0

 109, 146, 118

 124, 146, 129

 138, 146, 140

■ 65, 146, 85

■ 148, 146, 153

■ 51, 146, 74

■ 151, 146, 167

■ 36, 146, 63

■ 155, 146, 182

■ 21, 146, 51

■ 158, 146, 197

■ 7, 146, 41

■ 162, 146, 211

■ 0, 146, 36

■ 165, 146, 226

■ 169, 146, 240

Harmonies

Analogous

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



130, 157, 105



109, 146, 118



116, 145, 150

Triad

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



109, 146, 118



96, 127, 173



177, 129, 144

Complementary

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



109, 146, 118



118, 109, 146

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.



165, 132, 162



109, 146, 118



118, 136, 178

Square

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



109, 146, 118



88, 122, 159



143, 138, 174



179, 131, 125

Rectangle

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



109, 146, 118



103, 133, 152



143, 138, 174



174, 129, 150

Sweetspot

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



109, 146, 118



174, 189, 178



146, 121, 109



85, 94, 87



222, 222, 222



94, 94, 94

Same Dimension

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



109, 146, 118



132, 189, 146



109, 146, 136



67, 74, 69



0, 138, 34



0, 10, 2

Inverse Universe

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



118, 109, 146



146, 132, 189



136, 109, 146



68, 67, 74



33, 0, 138



2, 0, 10

Previews

White Background



This preview shows how the RYB color 109, 146, 118 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 109, 146, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

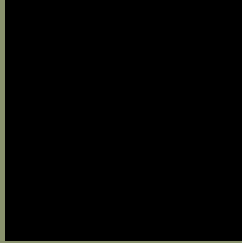
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

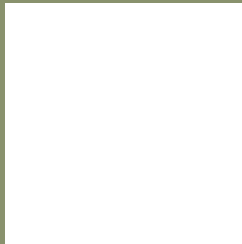
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 109, 146, 118 Background



This preview shows how black text looks on a background with the R Y B color 109, 146, 118.



This preview shows how white text looks on a background with the R Y B color 109, 146, 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

109, 146, 118

Protanopia

120, 152, 107

Deuteranopia

166, 157, 111



Tritanopia
143, 140, 151

Trichromacy



Original Color

109, 146, 118

Protanomaly

112, 147, 108

Deuteranomaly

133, 155, 110

Tritanomaly

136, 142, 137

Monochromacy



Original Color

109, 146, 118

Achromatopsia

139, 139, 139

Achromatomaly

128, 142, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 146, 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(137, 146, 109)` looks like.

```
.text, #text, p{  
    color:rgb(137, 146, 109)  
}
```

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(137, 146, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 146, 109) }
```

Border

The CSS property to change the border of an element to RYB 109, 146, 118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

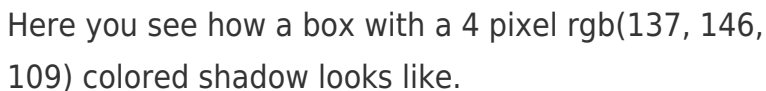
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 146, 109) }
```

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

```
.border{ border-color:rgb(137, 146, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 146, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 146, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 146, 109); box-shadow:4px 4px 4px 4px rgb(137, 146, 109) }
```

Background

The CSS property to change the background color of an element to RYB 109, 146, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 146, 109) }
```

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

```
.background{ background-color: rgb(137,  
146, 109) }
```

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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