

Converting Colors

`RYB(96, 142, 102)`

Have a look what the booklet for
RYB(96, 142, 102) contains.

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Color

R_YB(96, 142, 102)

Conversions

Conversions Part 1

Format	Color
Hex	888E60
RGB	136, 142, 96
RGB Percent	53%, 56%, 38%
CMY	0.4667, 0.4431, 0.6235
CMYK	0.04, 0.00, 0.32, 0.44
HSL	68°, 19%, 47%
HSV	68°, 32%, 56%
XYZ	21.9377, 25.4248, 14.8176
YIQ	134.9620, 11.1900, -15.5780

Conversions

Conversions Part 2

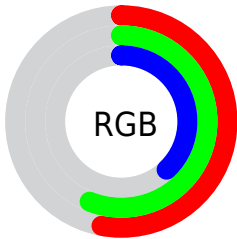
Format	Color
RYB	96, 142, 102
Decimal	8949344
CIELab	57.49, -10.05, 23.83
CIElCh	57, 25.861, 112.867
Yxy	25.4248, 0.3528, 0.4089
Android (android.graphics.Color)	4287139424 (0xFF888E60)
YUV	134.9620, -19.2083, 0.9103
Hunter-Lab	50.4230, -10.5797, 17.8728

Details

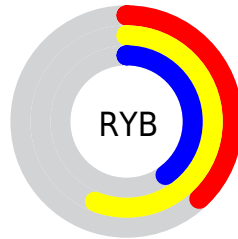
The RYB color **96, 142, 102** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **102, 96, 142**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **147, 196, 153**, and **49, 92, 56** is the 20% darker color. If you saturate the color by 10%, you get **82, 142, 90**, and if you desaturate by 10%, it is **110, 142, 114**.

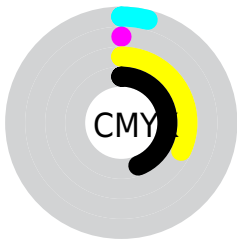
Distribution



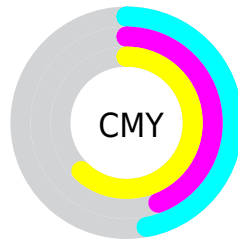
- Red (53%)
- Green (56%)
- Blue (38%)



- Red (38%)
- Yellow (56%)
- Blue (40%)



- Cyan (4%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)



- Cyan (47%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 142, 102 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 96, 142, 102 by changing the saturation by 10% instead.



96, 142, 102



96, 142, 102

255, 255, 255



72, 116, 78



147, 196, 153



49, 92, 56



174, 224, 180



27, 68, 33



201, 252, 206



3, 46, 10



229, 255, 229



0, 26, 11



0, 0, 0



96, 142, 102



96, 142, 102



82, 142, 90



110, 142, 114



68, 142, 78



124, 142, 126

■ 53, 142, 65

■ 139, 142, 139

■ 39, 142, 52

■ 143, 142, 153

■ 25, 142, 40

■ 145, 142, 167

■ 11, 142, 28

■ 147, 142, 181

■ 0, 142, 19

■ 149, 142, 195

■ 151, 142, 210

■ 153, 142, 224

Harmonies

Analogous

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



131, 159, 93



96, 142, 102



110, 147, 147

Triad

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



96, 142, 102



72, 115, 173



179, 122, 144

Complementary

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



96, 142, 102



102, 96, 142

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.



162, 126, 166



96, 142, 102



100, 128, 182

Square

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



96, 142, 102



66, 109, 155



134, 134, 180



183, 122, 122

Rectangle

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



96, 142, 102



93, 130, 150



134, 134, 180



174, 123, 152

Sweetspot

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



96, 142, 102



165, 184, 168



142, 102, 96



81, 92, 83



219, 219, 219



92, 92, 92

Same Dimension

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



96, 142, 102



112, 184, 122



96, 142, 124



64, 71, 65



0, 135, 17



0, 8, 1

Inverse Universe

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



102, 96, 142



121, 112, 184



124, 96, 142



65, 64, 71



18, 0, 135



1, 0, 8

Previews

White Background



This preview shows how the RYB color 96, 142, 102 looks on a white background.

Color Contrast Check

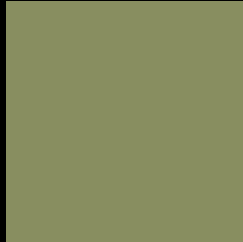
Large Text (above 18pt) WCAG AA ✓ Pass

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 96, 142, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

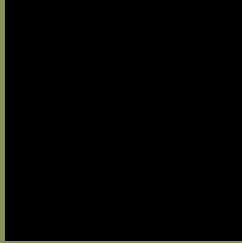
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

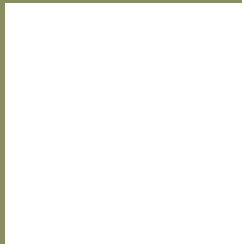
Any Text WCAG AAA × Fail

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

R Y B 96, 142, 102 Background



This preview shows how black text looks on a background with the R Y B color 96, 142, 102.



This preview shows how white text looks on a background with the R Y B color 96, 142, 102.

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

96, 142, 102

Protanopia

108, 149, 94

Deuteranopia

160, 164, 98



Tritanopia

142, 136, 146

Trichromacy



Original Color

96, 142, 102

Protanomaly

101, 144, 95

Deuteranomaly

123, 154, 97

Tritanomaly

130, 140, 128

Monochromacy



Original Color

96, 142, 102

Achromatopsia

135, 135, 135

Achromatomaly

121, 138, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 142, 102 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(136, 142, 96)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 96)  
}
```

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(136, 142, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 96) }
```

Border

The CSS property to change the border of an element to RYB 96, 142, 102 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(136, 142, 96) }
```

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

```
.border{ border-color:rgb(136, 142, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 142, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 96);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
96) }
```

Background

The CSS property to change the background color of an element to RYB 96, 142, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 96) }
```

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

```
.background{ background-color: rgb(136,  
142, 96) }
```

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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