

Converting Colors

`RYB(120, 147, 102)`

Have a look what the booklet for
RYB(120, 147, 102) contains.

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Color

R_YB(120, 147, 102)

Conversions

Conversions Part 1

Format	Color
Hex	938666
RGB	147, 134, 102
RGB Percent	58%, 53%, 40%
CMY	0.4235, 0.4739, 0.6000
CMYK	0.00, 0.09, 0.31, 0.42
HSL	43°, 18%, 49%
HSV	43°, 31%, 58%
XYZ	22.9758, 24.2521, 16.0405
YIQ	134.2390, 18.0200, -7.1960

Conversions

Conversions Part 2

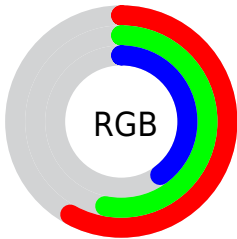
Format	Color
R_{YB}	120, 147, 102
Decimal	9668198
CIE Lab	56.34, -0.34, 19.09
CIE LCh	56, 19.097, 91.017
Yxy	24.2521, 0.3631, 0.3833
Android (android.graphics.Color)	4287858278 (0xFF938666)
YUV	134.2390, -15.8938, 11.1914
Hunter-Lab	49.2464, -2.9025, 15.1605

Details

The RYB color **120, 147, 102** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **102, 112, 147**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **175, 202, 153**, and **70, 96, 55** is the 20% darker color. If you saturate the color by 10%, you get **111, 147, 87**, and if you desaturate by 10%, it is **130, 147, 117**.

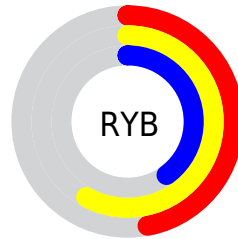
Distribution



Red (58%)

Green (53%)

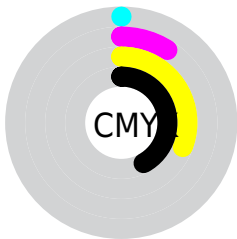
Blue (40%)



Red (47%)

Yellow (58%)

Blue (40%)

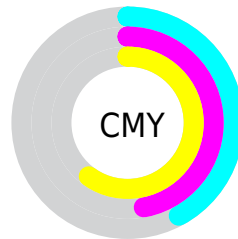


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (42%)



Cyan (42%)

Magenta (47%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 147, 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 120, 147, 102 by changing the saturation by 10% instead.

 120, 147, 102

255, 255, 255


 175, 202, 153

 201, 230, 180


 224, 255, 208

 236, 255, 236

 120, 147, 102


 111, 147, 87


 102, 147, 73

 120, 147, 102

 95, 121, 78

 70, 96, 55


 45, 71, 33

 21, 48, 11

 8, 26, 0

 0, 0, 0

 120, 147, 102

 130, 147, 117

 136, 147, 131

■ 93, 147, 58

■ 146, 147, 146

■ 85, 147, 43

■ 147, 150, 161

■ 77, 147, 29

■ 147, 153, 176

■ 67, 147, 14

■ 147, 156, 190

■ 59, 147, 0

■ 147, 160, 205

■ 147, 163, 220

■ 147, 166, 234

Harmonies

Analogous

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



161, 144, 107



120, 147, 102



106, 139, 116

Triad

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



120, 147, 102



88, 118, 152



157, 126, 151

Complementary

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



120, 147, 102



102, 112, 147

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.



139, 131, 163



120, 147, 102



96, 123, 164

Square

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



120, 147, 102



94, 122, 145



116, 130, 168



168, 123, 135

Rectangle

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



120, 147, 102



114, 142, 140



116, 130, 168



152, 127, 156

Sweetspot

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



120, 147, 102



181, 191, 174



147, 102, 116



90, 97, 86



224, 224, 224



97, 97, 97

Same Dimension

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



120, 147, 102



148, 191, 120



102, 147, 111



70, 74, 67



56, 138, 0



4, 10, 0

Inverse Universe

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



102, 112, 147



120, 136, 191



111, 102, 147



67, 69, 74



0, 30, 138



0, 2, 10

Previews

White Background



This preview shows how the RYB color 120, 147, 102 looks on a white background.

Color Contrast Check

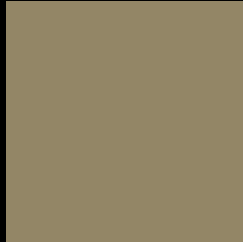
Large Text (above 18pt) WCAG AA ✓ Pass

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 120, 147, 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](#).

RYP 120, 147, 102 Background



This preview shows how black text looks on a background with the RYB color 120, 147, 102.



This preview shows how white text looks on a background with the RYB color 120, 147, 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


[120, 147, 102](#)

Protanopia

[115, 145, 102](#)

Deuteranopia

[159, 155, 103](#)



Tritanopia
151, 129, 139

Trichromacy



Original Color

120, 147, 102

Protanomaly

117, 146, 102

Deuteranomaly

144, 155, 103

Tritanomaly

150, 132, 126

Monochromacy



Original Color

120, 147, 102

Achromatopsia

134, 134, 134

Achromatomaly

129, 139, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 147, 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(147, 134, 102) looks like.

```
.text, #text, p{  
    color:rgb(147, 134, 102)  
}
```

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(147, 134, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 134, 102) }
```

Border

The CSS property to change the border of an element to RYB 120, 147, 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(147, 134, 102) }
```

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

```
.border{ border-color:rgb(147, 134, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 134, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 134, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 134, 102);  
box-shadow:4px 4px 4px 4px rgb(147, 134,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 120, 147, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 134, 102) }
```

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

```
.background{ background-color: rgb(147,  
134, 102) }
```

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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