

Converting Colors

`RYB(103, 148, 102)`

Have a look what the booklet for
RYB(103, 148, 102) contains.

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Color

R_YB(103, 148, 102)

Conversions

Conversions Part 1

Format	Color
Hex	949366
RGB	148, 147, 102
RGB Percent	58%, 58%, 40%
CMY	0.4196, 0.4234, 0.6000
CMYK	0.00, 0.01, 0.31, 0.42
HSL	59°, 18%, 49%
HSV	59°, 31%, 58%
XYZ	25.0480, 28.1293, 16.6797
YIQ	142.1690, 15.0410, -13.7830

Conversions

Conversions Part 2

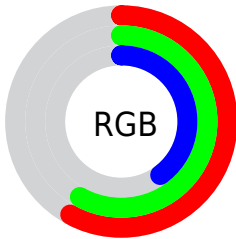
Format	Color
RYB	103, 148, 102
Decimal	9737062
CIELab	60.01, -7.04, 24.03
CIELCh	60, 25.041, 106.340
Yxy	28.1293, 0.3586, 0.4027
Android (android.graphics.Color)	4287927142 (0xFF949366)
YUV	142.1690, -19.8033, 5.1138
Hunter-Lab	53.0370, -8.5138, 18.4797

Details

The RYB color **103, 148, 102** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **102, 103, 148**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **155, 203, 153**, and **54, 97, 54** is the 20% darker color. If you saturate the color by 10%, you get **88, 148, 87**, and if you desaturate by 10%, it is **118, 148, 117**.

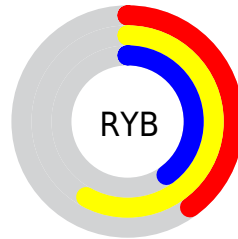
Distribution



Red (58%)

Green (58%)

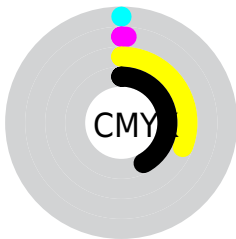
Blue (40%)



Red (40%)

Yellow (58%)

Blue (40%)

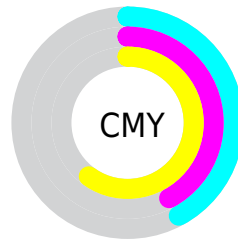


Cyan (0%)

Magenta (1%)

Yellow (31%)

Black (42%)



Cyan (42%)

Magenta (42%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 148, 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 103, 148, 102 by changing the saturation by 10% instead.

 103, 148, 102

255, 255, 255

 155, 203, 153


 182, 231, 180


 208, 255, 208

 236, 255, 236

 103, 148, 102

 88, 148, 87

 74, 148, 72

 103, 148, 102

 79, 122, 78


 54, 97, 54


 32, 73, 33


 10, 50, 11

 0, 29, 2

 0, 0, 0

 103, 148, 102

 118, 148, 117

 132, 148, 132

■ 60, 148, 58

■ 146, 148, 146

■ 45, 148, 43

■ 148, 148, 161

■ 31, 148, 28

■ 148, 149, 176

■ 16, 148, 13

■ 148, 149, 191

■ 3, 148, 0

■ 148, 149, 206

■ 148, 150, 220

■ 148, 150, 235

Harmonies

Analogous

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



153, 169, 102



103, 148, 102



114, 153, 144

Triad

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



103, 148, 102



79, 122, 176



182, 129, 156

Complementary

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



103, 148, 102



102, 103, 148

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.



163, 135, 175



103, 148, 102



102, 133, 187

Square

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



103, 148, 102



79, 118, 157



134, 142, 187



189, 129, 133

Rectangle

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



103, 148, 102



106, 141, 155



134, 142, 187



177, 131, 163

Sweetspot

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



103, 148, 102



174, 191, 174



148, 102, 104



86, 97, 86



224, 224, 224



97, 97, 97

Same Dimension

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



103, 148, 102



121, 191, 120



102, 148, 123



67, 74, 67



3, 138, 0



0, 10, 0

Inverse Universe

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



102, 103, 148



120, 122, 191



123, 102, 148



67, 67, 74



0, 3, 138



0, 0, 10

Previews

White Background



This preview shows how the RYB color 103, 148, 102 looks on a white background.

Color Contrast Check

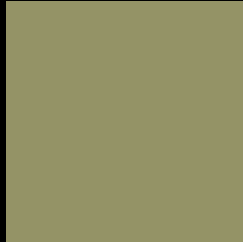
Large Text (above 18pt) WCAG AA ✓ Pass

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 103, 148, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

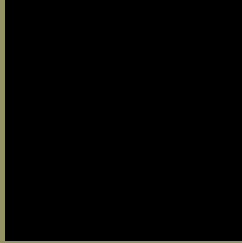
Any Text WCAG AA ✓ Pass

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](#).

RYB 103, 148, 102 Background



This preview shows how black text looks on a background with the RYB color 103, 148, 102.



This preview shows how white text looks on a background with the RYB color 103, 148, 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
103, 148, 102

Protanopia
116, 156, 101

Deuteranopia
172, 172, 104



Tritanopia
154, 141, 152

Trichromacy



Original Color

103, 148, 102

Protanomaly

110, 153, 101

Deuteranomaly

138, 163, 103

Tritanomaly

152, 152, 134

Monochromacy



Original Color

103, 148, 102

Achromatopsia

142, 142, 142

Achromatomaly

127, 144, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 148, 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(148, 147, 102) looks like.

```
.text, #text, p{  
    color:rgb(148, 147, 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(148, 147, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 147, 102) }
```

Border

The CSS property to change the border of an element to RYB 103, 148, 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(148, 147, 102) }
```

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

```
.border{ border-color:rgb(148, 147, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 147, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 147, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 147, 102);  
box-shadow:4px 4px 4px 4px rgb(148, 147,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 103, 148, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 147, 102) }
```

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

```
.background{ background-color: rgb(148,  
147, 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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