

Converting Colors

`RYB(98, 127, 102)`

Have a look what the booklet for
RYB(98, 127, 102) contains.

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Color

R_YB(98, 127, 102)

Conversions

Conversions Part 1

Format	Color
Hex	7B7F62
RGB	123, 127, 98
RGB Percent	48%, 50%, 38%
CMY	0.5176, 0.5020, 0.6157
CMYK	0.03, 0.00, 0.23, 0.50
HSL	68°, 13%, 44%
HSV	68°, 23%, 50%
XYZ	17.9624, 20.2715, 14.5214
YIQ	122.4980, 6.9250, -9.8670

Conversions

Conversions Part 2

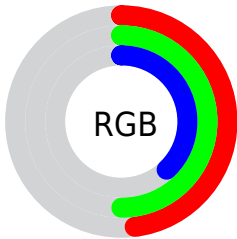
Format	Color
R_YB	98, 127, 102
Decimal	8093538
CIE Lab	52.14, -6.79, 15.30
CIE LCh	52, 16.742, 113.917
Yxy	20.2715, 0.3405, 0.3843
Android (android.graphics.Color)	4286283618 (0xFF7B7F62)
YUV	122.4980, -12.0775, 0.4403
Hunter-Lab	45.0239, -7.5791, 12.3942

Details

The RYB color **98, 127, 102** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **102, 98, 127**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **149, 180, 153**, and **51, 78, 55** is the 20% darker color. If you saturate the color by 10%, you get **85, 127, 91**, and if you desaturate by 10%, it is **111, 127, 113**.

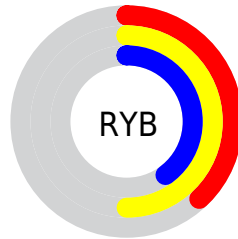
Distribution



Red (48%)

Green (50%)

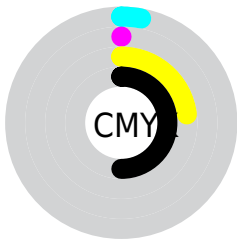
Blue (38%)



Red (38%)

Yellow (50%)

Blue (40%)

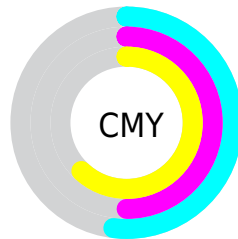


Cyan (3%)

Magenta (0%)

Yellow (23%)

Black (50%)



Cyan (52%)

Magenta (50%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 98, 127, 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 98, 127, 102 by changing the saturation by 10% instead.



98, 127, 102



98, 127, 102

255, 255, 255



74, 102, 78



149, 180, 153



51, 78, 55



176, 207, 180



30, 55, 34



203, 235, 207



6, 34, 10



231, 255, 231



0, 13, 13



0, 0, 0



98, 127, 102



98, 127, 102



85, 127, 91



111, 127, 113



73, 127, 81



123, 127, 123

■ 60, 127, 69

■ 128, 127, 136

■ 47, 127, 58

■ 130, 127, 149

■ 35, 127, 48

■ 132, 127, 162

■ 22, 127, 37

■ 134, 127, 174

■ 9, 127, 25

■ 135, 127, 187

■ 0, 127, 18

■ 137, 127, 200

■ 139, 127, 212

Harmonies

Analogous

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



122, 138, 96



98, 127, 102



107, 131, 131

Triad

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



98, 127, 102



89, 113, 147



151, 114, 128

Complementary

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



98, 127, 102



102, 98, 127

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.



140, 117, 141



98, 127, 102



104, 120, 153

Square

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



98, 127, 102



85, 109, 135



123, 122, 150



154, 115, 113

Rectangle

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



98, 127, 102



96, 119, 132



123, 122, 150



148, 115, 133

Sweetspot

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



98, 127, 102



154, 166, 156



127, 103, 98



77, 84, 78



212, 212, 212



84, 84, 84

Same Dimension

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



98, 127, 102



121, 166, 127



98, 127, 116



57, 64, 58



0, 128, 18



0, 0, 0

Inverse Universe

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



102, 98, 127



127, 121, 166



116, 98, 127



58, 57, 64



18, 0, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 98, 127, 102 looks on a white background.

Color Contrast Check

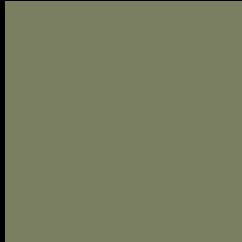
Large Text (above 18pt) WCAG AA ✓ Pass

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 98, 127, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

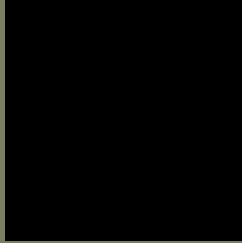
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

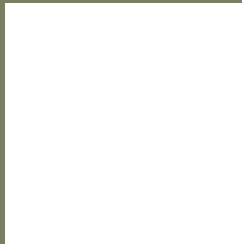
Any Text WCAG AAA × Fail

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

R Y B 98, 127, 102 Background



This preview shows how black text looks on a background with the R Y B color 98, 127, 102.



This preview shows how white text looks on a background with the R Y B color 98, 127, 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

98, 127, 102

Protanopia

107, 132, 97

Deuteranopia

145, 133, 100



Tritanopia
128, 122, 132

Trichromacy



Original Color

98, 127, 102

Protanomaly

102, 129, 97

Deuteranomaly

124, 137, 99

Tritanomaly

123, 126, 120

Monochromacy



Original Color

98, 127, 102

Achromatopsia

122, 122, 122

Achromatomaly

113, 124, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 98, 127, 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(123, 127, 98)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 98)  
}
```

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(123, 127, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 98) }
```

Border

The CSS property to change the border of an element to RYB 98, 127, 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(123, 127, 98) }
```

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

```
.border{ border-color:rgb(123, 127, 98) }
```

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

Here you see how a box with a 4 pixel rgb(123, 127, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 98);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
98) }
```

Background

The CSS property to change the background color of an element to RYB 98, 127, 102 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 127, 98) }
```

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

```
.background{ background-color: rgb(123,  
127, 98) }
```

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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