

Converting Colors

`RYB(100, 125, 102)`

Have a look what the booklet for
RYB(100, 125, 102) contains.

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Color

R_YB(100, 125, 102)

Conversions

Conversions Part 1

Format	Color
Hex	7B7D64
RGB	123, 125, 100
RGB Percent	48%, 49%, 39%
CMY	0.5176, 0.5098, 0.6078
CMYK	0.02, 0.00, 0.20, 0.51
HSL	65°, 11%, 44%
HSV	65°, 20%, 49%
XYZ	17.8022, 19.7983, 14.9398
YIQ	121.5520, 6.8330, -8.1990

Conversions

Conversions Part 2

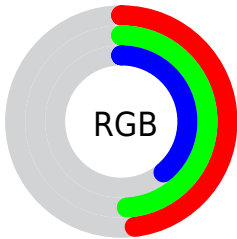
Format	Color
RYB	100, 125, 102
Decimal	8093028
CIELab	51.61, -5.34, 13.41
CIELCh	52, 14.435, 111.708
Yxy	19.7983, 0.3388, 0.3768
Android (android.graphics.Color)	4286283108 (0xFF7B7D64)
YUV	121.5520, -10.6251, 1.2699
Hunter-Lab	44.4953, -6.4501, 11.2394

Details

The RYB color **100, 125, 102** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **102, 100, 125**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **151, 178, 153**, and **53, 76, 55** is the 20% darker color. If you saturate the color by 10%, you get **87, 125, 90**, and if you desaturate by 10%, it is **113, 125, 114**.

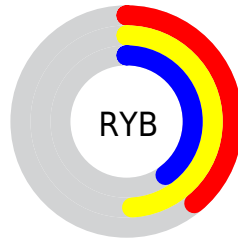
Distribution



Red (48%)

Green (49%)

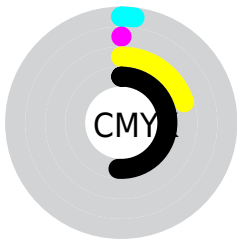
Blue (39%)



Red (39%)

Yellow (49%)

Blue (40%)

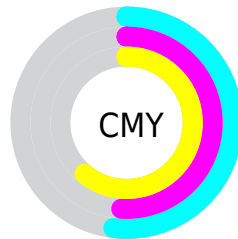


Cyan (2%)

Magenta (0%)

Yellow (20%)

Black (51%)



Cyan (52%)


Magenta (51%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the RYB color 100, 125, 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 100, 125, 102 by changing the saturation by 10% instead.

 100, 125, 102


255, 255, 255


 151, 178, 153

 178, 205, 180

 205, 233, 207

 233, 255, 233


 100, 125, 102

 76, 100, 78


 53, 76, 55


 32, 54, 35

 9, 32, 11


 0, 10, 10

 0, 0, 0

 100, 125, 102

 87, 125, 90

 75, 125, 79

 100, 125, 102

 113, 125, 114

 125, 125, 125

■ 63, 125, 68

■ 126, 125, 138

■ 50, 125, 56

■ 127, 125, 150

■ 38, 125, 45

■ 128, 125, 163

■ 25, 125, 33

■ 129, 125, 175

■ 12, 125, 21

■ 130, 125, 187

■ 0, 125, 10

■ 131, 125, 200

■ 132, 125, 212

Harmonies

Analogous

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



124, 136, 99



100, 125, 102



107, 128, 126

Triad

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



100, 125, 102



93, 113, 142



146, 115, 127

Complementary

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



100, 125, 102



102, 100, 125

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.



136, 117, 138



100, 125, 102



105, 119, 147

Square

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



100, 125, 102



90, 110, 132



121, 121, 146



149, 115, 114

Rectangle

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



100, 125, 102



100, 120, 130



121, 121, 146



143, 115, 131

Sweetspot

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



100, 125, 102



153, 163, 154



125, 102, 100



76, 82, 77



209, 209, 209



82, 82, 82

Same Dimension

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



100, 125, 102



124, 163, 127



100, 125, 114



57, 64, 58



0, 128, 11



0, 0, 0

Inverse Universe

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



102, 100, 125



127, 124, 163



114, 100, 125



58, 57, 64



10, 0, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 100, 125, 102 looks on a white background.

Color Contrast Check

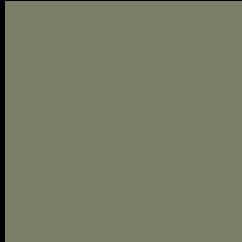
Large Text (above 18pt) WCAG AA ✓ Pass

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 100, 125, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

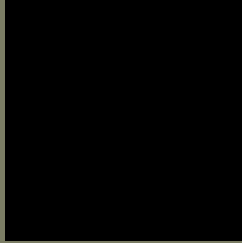
Any Text WCAG AA ✓ Pass

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 100, 125, 102 Background



This preview shows how black text looks on a background with the RYB color 100, 125, 102.



This preview shows how white text looks on a background with the RYB color 100, 125, 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


100, 125, 102

Protanopia

108, 130, 99

Deuteranopia

142, 130, 101



Tritanopia
127, 121, 130

Trichromacy



Original Color

100, 125, 102

Protanomaly

102, 127, 99

Deuteranomaly

125, 135, 101

Tritanomaly

126, 124, 119

Monochromacy



Original Color

100, 125, 102

Achromatopsia

122, 122, 122

Achromatomaly

114, 123, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 125, 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, 125, 100)` looks like.

```
.text, #text, p{  
    color:rgb(123, 125, 100)  
}
```

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, 125, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 125, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 125, 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, 125, 100) }
```

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

```
.border{ border-color:rgb(123, 125, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 125, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 125, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 125, 100);  
box-shadow:4px 4px 4px 4px rgb(123, 125,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 125, 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, 125, 100) }
```

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

```
.background{ background-color: rgb(123,  
125, 100) }
```

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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