

Converting Colors

`RYB(71, 118, 102)`

Have a look what the booklet for
RYB(71, 118, 102) contains.

RYB(71, 118, 102) 3

Conversions 4

Details 6

Harmonies 11

Previews 23

Color Blindness Simulation 26

CSS Examples 29

Color

RYB(71, 118, 102)

Conversions

Conversions Part 1	
Format	Color
Hex	577647
RGB	87, 118, 71
RGB Percent	34%, 46%, 28%
CMY	0.6588, 0.5373, 0.7216
CMYK	0.26, 0.00, 0.40, 0.54
HSL	100°, 25%, 37%
HSV	100°, 40%, 46%
XYZ	11.5462, 15.4380, 8.3325
YIQ	103.3730, -3.3890, -21.1890

Conversions

Conversions Part 2

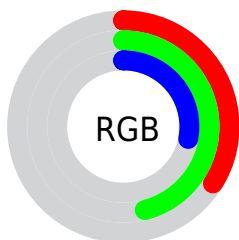
Format	Color
RYB	71, 118, 102
Decimal	5731911
CIELab	46.23, -20.60, 22.38
CIELCh	46, 30.413, 132.624
Yxy	15.4380, 0.3269, 0.4371
Android (android.graphics.Color)	4283921991 (0xFF577647)
YUV	103.3730, -15.9599, -14.3591
Hunter-Lab	39.2913, -16.3052, 14.9302

Details

The RYB color **71, 118, 102** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **102, 71, 118**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **120, 170, 152**, and **26, 69, 55** is the 20% darker color. If you saturate the color by 10%, you get **59, 118, 98**, and if you desaturate by 10%, it is **83, 118, 106**.

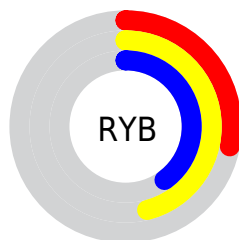
Distribution



Red (34%)

Green (46%)

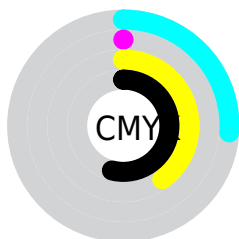
Blue (28%)



Red (28%)

Yellow (46%)

Blue (40%)

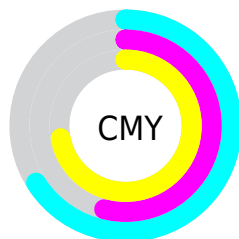


Cyan (26%)

Magenta (0%)

Yellow (40%)

Black (54%)



Cyan (66%)

Magenta (54%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 71, 118, 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 71, 118, 102 by changing the saturation by 10% instead.



71, 118, 102



71, 118, 102

255, 255, 255



48, 93, 78



120, 170, 152



26, 69, 55



146, 198, 179



2, 47, 31



173, 226, 207



0, 28, 28



200, 254, 234



0, 0, 0



228, 255, 234



71, 118, 102



71, 118, 102



59, 118, 98



83, 118, 106



47, 118, 94



95, 118, 110

 36, 118, 90


 106, 118, 114

 24, 118, 86


 118, 118, 118

 12, 118, 82

 126, 118, 130

 0, 118, 78

 134, 118, 142

 141, 118, 154

 149, 118, 165

 157, 118, 177

Harmonies

Analogous

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



63, 115, 59



71, 118, 102



53, 97, 122

Triad

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



71, 118, 102



38, 85, 158



159, 89, 100

Complementary

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



71, 118, 102



102, 71, 118

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.



150, 91, 125



71, 118, 102



89, 104, 159

Square

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



71, 118, 102



0, 66, 143



126, 99, 147



154, 99, 76

Rectangle

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



71, 118, 102



20, 75, 123



126, 99, 147



157, 89, 108

Sweetspot

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



71, 118, 102



135, 153, 147



95, 118, 71



66, 77, 74



204, 204, 204



77, 77, 77

Same Dimension

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



71, 118, 102



80, 153, 128



71, 112, 118



53, 59, 57



0, 122, 80



0, 250, 165

Inverse Universe

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



102, 71, 118



128, 80, 153



118, 71, 111



57, 53, 59



81, 0, 122



165, 0, 250

Previews

White Background



This preview shows how the RYB color 71, 118, 102 looks on a white 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

Black Background



This preview shows how the RYB color 71, 118, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

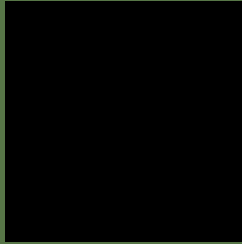
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 71, 118, 102 Background



This preview shows how black text looks on a background with the RYB color 71, 118, 102.



This preview shows how white text looks on a background with the RYB color 71, 118, 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

71, 118, 102

Protanopia

80, 119, 68

Deuteranopia

125, 131, 74



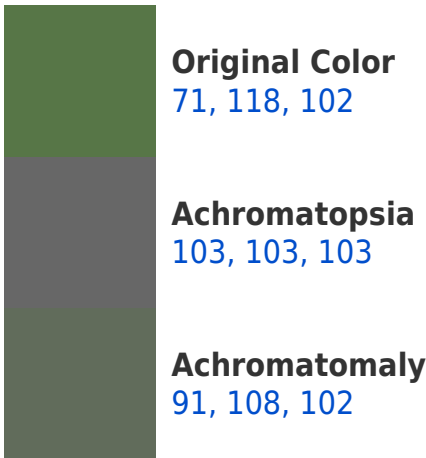
Tritanopia

95, 105, 121

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 71, 118, 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(87, 118, 71) looks like.

```
.text, #text, p{  
    color:rgb(87, 118, 71)  
}
```

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(87, 118, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 118, 71) }
```

Border

The CSS property to change the border of an element to RYB 71, 118, 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(87, 118, 71) }
```

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

```
.border{ border-color:rgb(87, 118, 71) }
```

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

Here you see how a box with a 4 pixel rgb(87, 118, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 118, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 118, 71);  
box-shadow:4px 4px 4px 4px rgb(87, 118,  
71) }
```

Background

The CSS property to change the background color of an element to RGB 71, 118, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(71, 118, 102) }
```

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

```
.background{ background-color:rgb(71, 118,  
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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