

Converting Colors

`RYB(102, 129, 123)`

Have a look what the booklet for
RYB(102, 129, 123) contains.

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Color

R_YB(102, 129, 123)

Conversions

Conversions Part 1

Format	Color
Hex	6C8166
RGB	108, 129, 102
RGB Percent	42%, 51%, 40%
CMY	0.5765, 0.4941, 0.6000
CMYK	0.16, 0.00, 0.21, 0.49
HSL	107°, 12%, 45%
HSV	107°, 21%, 51%
XYZ	16.4329, 19.8480, 15.5353
YIQ	119.6430, -3.8490, -12.8490

Conversions

Conversions Part 2

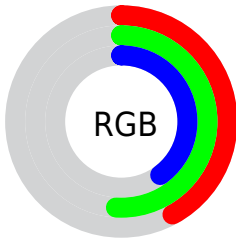
Format	Color
RYB	102, 129, 123
Decimal	7111014
CIELab	51.66, -13.11, 12.16
CIElCh	52, 17.881, 137.173
Yxy	19.8480, 0.3171, 0.3830
Android (android.graphics.Color)	4285301094 (0xFF6C8166)
YUV	119.6430, -8.6980, -10.2109
Hunter-Lab	44.5511, -12.1238, 10.5108

Details

The RYB color **102, 129, 123** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **123, 102, 129**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **153, 182, 175**, and **55, 80, 75** is the 20% darker color. If you saturate the color by 10%, you get **89, 129, 120**, and if you desaturate by 10%, it is **115, 129, 126**.

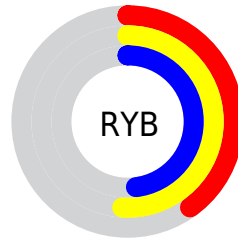
Distribution



Red (42%)

Green (51%)

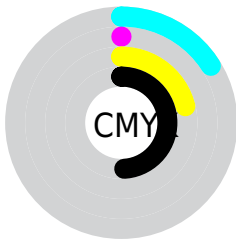
Blue (40%)



Red (40%)

Yellow (51%)

Blue (48%)

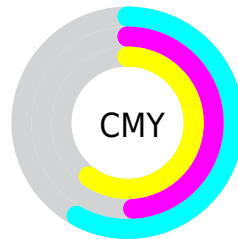


Cyan (16%)

Magenta (0%)

Yellow (21%)

Black (49%)



Cyan (58%)

Magenta (49%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 129, 123 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 102, 129, 123 by changing the saturation by 10% instead.

■ 102, 129, 123

255, 255, 255

■ 153, 182, 175

■ 180, 210, 203

■ 207, 238, 230

■ 236, 255, 248

■ 102, 129, 123

■ 78, 104, 98

■ 55, 80, 75

■ 33, 57, 52

■ 12, 35, 29

■ 0, 11, 11

■ 0, 0, 0

■ 102, 129, 123

■ 89, 129, 120

■ 76, 129, 117

■ 102, 129, 123

■ 115, 129, 126

■ 128, 129, 129

■ 63, 129, 114

■ 138, 129, 141

■ 50, 129, 111

■ 148, 129, 154

■ 38, 129, 109

■ 158, 129, 167

■ 25, 129, 106

■ 168, 129, 179

■ 12, 129, 103

■ 178, 129, 192

■ 0, 129, 100

■ 188, 129, 205

■ 198, 129, 218

Harmonies

Analogous

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



94, 125, 94



102, 129, 123



92, 116, 131

Triad

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



102, 129, 123



96, 116, 153



155, 112, 115

Complementary

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



102, 129, 123



123, 102, 129

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, 113, 130



102, 129, 123



117, 121, 152

Square

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



102, 129, 123



82, 109, 145



136, 116, 144



151, 120, 101

Rectangle

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



102, 129, 123



83, 109, 132



136, 116, 144



154, 112, 120

Sweetspot

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



102, 129, 123



158, 168, 166



110, 129, 102



78, 84, 82



212, 212, 212



84, 84, 84

Same Dimension

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



102, 129, 123



126, 168, 158



102, 123, 129



57, 64, 62



0, 128, 100



0, 0, 0

Inverse Universe

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



123, 102, 129



159, 126, 168



129, 102, 122



62, 57, 64



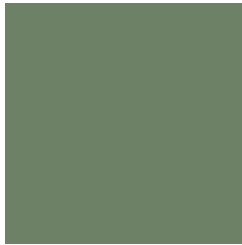
99, 0, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 102, 129, 123 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 102, 129, 123 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 102, 129, 123 Background



This preview shows how black text looks on a background with the RYP color 102, 129, 123.



This preview shows how white text looks on a background with the RYP color 102, 129, 123.

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

102, 129, 123

Protanopia

108, 130, 99

Deuteranopia

141, 127, 104



Tritanopia
113, 121, 134

Trichromacy



Original Color
102, 129, 123

Protanomaly
100, 125, 103

Deuteranomaly
113, 129, 103

Tritanomaly
111, 120, 126

Monochromacy



Original Color
102, 129, 123

Achromatopsia
120, 120, 120

Achromatomaly
113, 123, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 129, 123 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(108, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 129, 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(108, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 129, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 129, 123 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(108, 129, 102) }
```

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

```
.border{ border-color:rgb(108, 129, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 129, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 129,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 129, 123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 129, 102) }
```

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

```
.background{ background-color: rgb(108,  
129, 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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