

Converting Colors

`RYB(102, 121, 116)`

Have a look what the booklet for
RYB(102, 121, 116) contains.

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Color

R_YB(102, 121, 116)

Conversions

Conversions Part 1

Format	Color
Hex	6B7966
RGB	107, 121, 102
RGB Percent	42%, 47%, 40%
CMY	0.5804, 0.5255, 0.6000
CMYK	0.12, 0.00, 0.16, 0.53
HSL	104°, 9%, 44%
HSV	104°, 16%, 47%
XYZ	15.2990, 17.7599, 15.1920
YIQ	114.6480, -2.2450, -8.8770

Conversions

Conversions Part 2

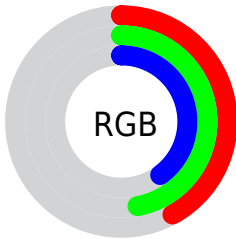
Format	Color
RYB	102, 121, 116
Decimal	7043430
CIELab	49.20, -9.06, 8.69
CIElCh	49, 12.555, 136.217
Yxy	17.7599, 0.3171, 0.3681
Android (android.graphics.Color)	4285233510 (0xFF6B7966)
YUV	114.6480, -6.2355, -6.7073
Hunter-Lab	42.1424, -8.9481, 8.1261

Details

The RYB color **102, 121, 116** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **116, 102, 121**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **153, 173, 168**, and **55, 72, 67** is the 20% darker color. If you saturate the color by 10%, you get **90, 121, 113**, and if you desaturate by 10%, it is **114, 121, 119**.

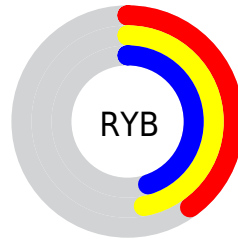
Distribution



Red (42%)

Green (47%)

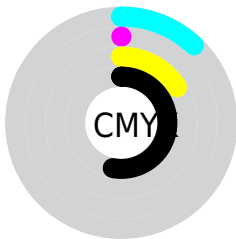
Blue (40%)



Red (40%)

Yellow (47%)

Blue (45%)

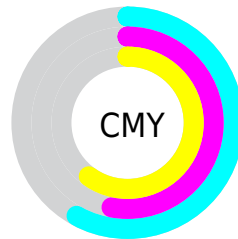


Cyan (12%)

Magenta (0%)

Yellow (16%)

Black (53%)



Cyan (58%)

Magenta (53%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 121, 116 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, 121, 116 by changing the saturation by 10% instead.

■ 102, 121, 116

255, 255, 255

■ 153, 173, 168

■ 180, 201, 196

■ 207, 229, 223

■ 236, 255, 249

■ 102, 121, 116

■ 78, 96, 91

■ 55, 72, 67

■ 34, 50, 46

■ 12, 29, 23

■ 0, 0, 0

■ 102, 121, 116

■ 90, 121, 113

■ 78, 121, 110

■ 66, 121, 107

■ 102, 121, 116

■ 114, 121, 119

■ 125, 121, 126

■ 134, 121, 138

■ 54, 121, 104

■ 143, 121, 150

■ 42, 121, 101

■ 152, 121, 163

■ 29, 121, 96

■ 160, 121, 175

■ 17, 121, 93

■ 169, 121, 187

■ 5, 121, 90

■ 178, 121, 199

■ 0, 121, 89

■ 187, 121, 211

Harmonies

Analogous

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



98, 119, 97



102, 121, 116



96, 113, 123

Triad

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



102, 121, 116



99, 112, 137



139, 110, 111

Complementary

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



102, 121, 116



116, 102, 121

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.



135, 110, 122



102, 121, 116



113, 116, 137

Square

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



102, 121, 116



90, 108, 132



126, 112, 132



137, 114, 102

Rectangle

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



102, 121, 116



91, 108, 123



126, 112, 132



139, 110, 115

Sweetspot

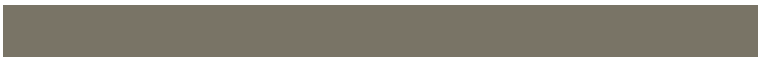
The Sweet Spot groups the original color and five complimentary colors.



102, 121, 116



150, 158, 156



109, 121, 102



74, 79, 77



207, 207, 207



79, 79, 79

Same Dimension

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



102, 121, 116



128, 158, 150



102, 118, 121



55, 61, 59



0, 125, 92



0, 252, 186

Inverse Universe

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



116, 102, 121



150, 128, 158



121, 102, 117



60, 55, 61



92, 0, 125



186, 0, 252

Previews

White Background



This preview shows how the RYB color 102, 121, 116 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 102, 121, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

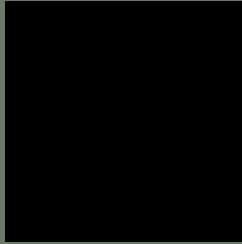
Any Text WCAG AA ✓ Pass

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 102, 121, 116 Background



This preview shows how black text looks on a background with the RYB color 102, 121, 116.

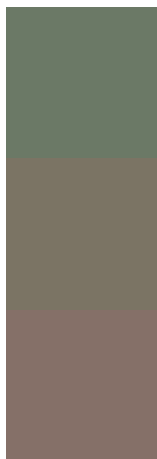


This preview shows how white text looks on a background with the RYB color 102, 121, 116.

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

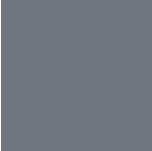
102, 121, 116

Protanopia

110, 123, 100

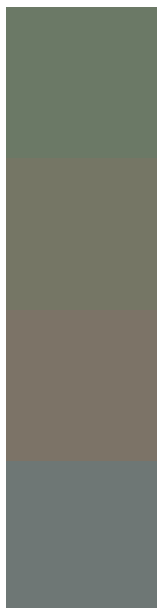
Deuteranopia

133, 115, 104



Tritanopia
111, 116, 127

Trichromacy



Original Color

102, 121, 116

Protanomaly

101, 118, 102

Deuteranomaly

119, 124, 103

Tritanomaly

110, 115, 119

Monochromacy



Original Color

102, 121, 116

Achromatopsia

115, 115, 115

Achromatomaly

110, 117, 115

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 121, 116 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(107, 121, 102) looks like.

```
.text, #text, p{  
    color:rgb(107, 121, 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(107, 121, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 121, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 121, 116 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(107, 121, 102) }
```

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

```
.border{ border-color:rgb(107, 121, 102) }
```

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

Here you see how a box with a 4 pixel rgb(107, 121, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 121, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 121, 102);  
box-shadow:4px 4px 4px 4px rgb(107, 121,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 121, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 121, 102) }
```

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

```
.background{ background-color: rgb(107,  
121, 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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