

Converting Colors

`RYB(102, 133, 133)`

Have a look what the booklet for
RYB(102, 133, 133) contains.

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Color

`RYB(102, 133, 133)`

Conversions

Conversions Part 1

Format	Color
Hex	668566
RGB	102, 133, 102
RGB Percent	40%, 52%, 40%
CMY	0.6000, 0.4784, 0.6000
CMYK	0.23, 0.00, 0.23, 0.48
HSL	120°, 13%, 46%
HSV	120°, 23%, 52%
XYZ	16.2653, 20.5591, 15.6814
YIQ	120.1970, -8.5250, -16.2130

Conversions

Conversions Part 2

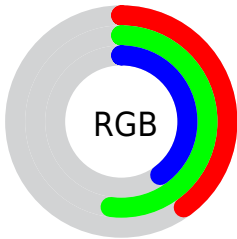
Format	Color
RYB	102, 133, 133
Decimal	6718822
CIELab	52.46, -17.51, 13.21
CIELCh	52, 21.929, 142.972
Yxy	20.5591, 0.3098, 0.3916
Android (android.graphics.Color)	4284908902 (0xFF668566)
YUV	120.1970, -8.9711, -15.9588
Hunter-Lab	45.3422, -15.3168, 11.2343

Details

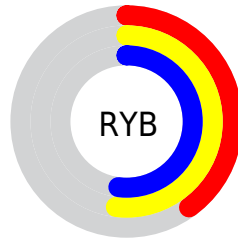
The RYB color **102, 133, 133** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **133, 102, 133**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **153, 186, 185**, and **54, 82, 83** is the 20% darker color. If you saturate the color by 10%, you get **89, 133, 133**, and if you desaturate by 10%, it is **115, 133, 133**.

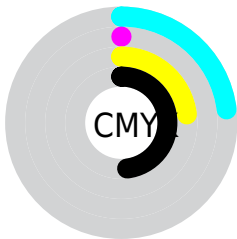
Distribution



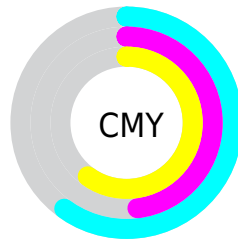
- Red (40%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)



- Cyan (60%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 133, 133 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, 133, 133 by changing the saturation by 10% instead.

 102, 133, 133


255, 255, 255


 153, 186, 185

 180, 214, 213

 207, 242, 241

 236, 255, 254

 102, 133, 133

 78, 108, 108

 54, 82, 83


 32, 59, 60


 10, 36, 38

 0, 16, 16

 0, 0, 0

 102, 133, 133

 89, 133, 133

 75, 133, 133

 102, 133, 133

 115, 133, 133

 129, 133, 133

■ 62, 133, 133

■ 142, 133, 142

■ 49, 133, 133

■ 155, 133, 155

■ 35, 133, 133

■ 169, 133, 169

■ 22, 133, 133

■ 182, 133, 182

■ 9, 133, 133

■ 195, 133, 195

■ 0, 133, 133

■ 208, 133, 208

■ 222, 133, 222

Harmonies

Analogous

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



90, 128, 94



102, 133, 133



81, 112, 135

Triad

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



102, 133, 133



95, 117, 162



163, 112, 111

Complementary

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



102, 133, 133



133, 102, 133

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.



159, 112, 130



102, 133, 133



122, 122, 160

Square

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



102, 133, 133



73, 108, 155



145, 116, 148



157, 126, 96

Rectangle

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



102, 133, 133



71, 104, 136



145, 116, 148



163, 111, 118

Sweetspot

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



102, 133, 133



161, 173, 173



102, 133, 102



80, 87, 87



214, 214, 214



87, 87, 87

Same Dimension

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



102, 133, 133



125, 173, 173



102, 122, 133



60, 66, 66



0, 130, 130



0, 3, 3

Inverse Universe

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



133, 102, 133



173, 125, 173



133, 102, 118



66, 60, 66



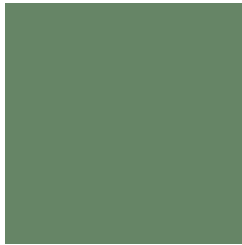
130, 0, 130



3, 0, 3

Previews

White Background



This preview shows how the RYB color 102, 133, 133 looks on a white background.

Color Contrast Check

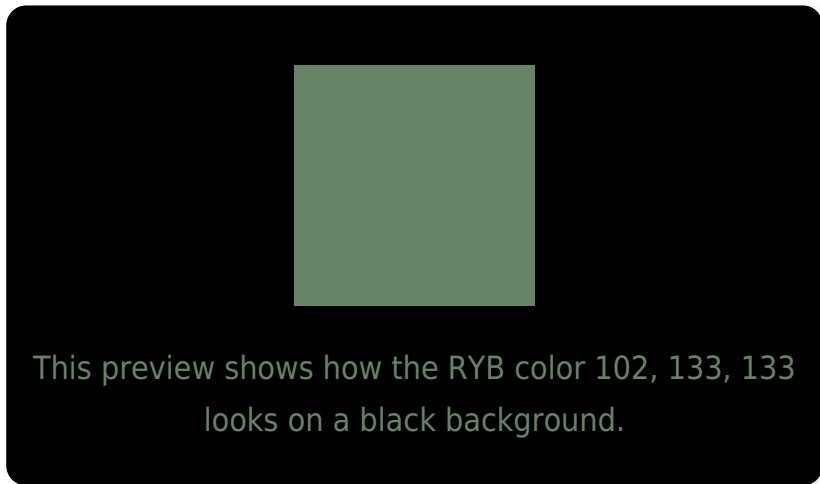
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

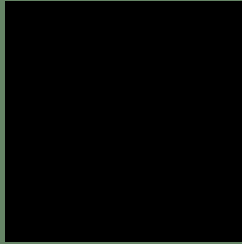
Any Text WCAG AA ✓ Pass

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, 133, 133 Background



This preview shows how black text looks on a background with the RYB color 102, 133, 133.



This preview shows how white text looks on a background with the RYB color 102, 133, 133.

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

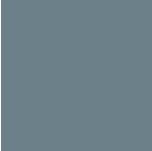
102, 133, 133

Protanopia

108, 133, 98

Deuteranopia

144, 129, 105



Tritanopia
108, 120, 138

Trichromacy



Original Color
102, 133, 133

Protanomaly
99, 128, 105

Deuteranomaly
109, 129, 104

Tritanomaly
106, 119, 130

Monochromacy



Original Color
102, 133, 133

Achromatopsia
120, 120, 120

Achromatomaly
113, 125, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 133, 133 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(102, 133, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 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(102, 133, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 133, 133 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(102, 133, 102) }
```

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

```
.border{ border-color:rgb(102, 133, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 133, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 133, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 102) }
```

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

```
.background{ background-color: rgb(102,  
133, 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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