

Converting Colors

`RYB(102, 159, 171)`

Have a look what the booklet for
RYB(102, 159, 171) contains.

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Color

R_YB(102, 159, 171)

Conversions

Conversions Part 1

Format	Color
Hex	66AB75
RGB	102, 171, 117
RGB Percent	40%, 67%, 46%
CMY	0.6000, 0.3294, 0.5430
CMYK	0.40, 0.00, 0.32, 0.33
HSL	133°, 29%, 54%
HSV	133°, 40%, 67%
XYZ	23.2255, 33.2238, 21.8727
YIQ	144.2130, -23.7900, -31.4220

Conversions

Conversions Part 2

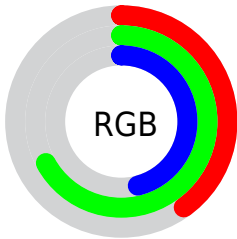
Format	Color
RYB	102, 159, 171
Decimal	6728565
CIELab	64.34, -33.71, 21.39
CIELCh	64, 39.921, 147.605
Yxy	33.2238, 0.2965, 0.4242
Android (android.graphics.Color)	4284918645 (0xFF66AB75)
YUV	144.2130, -13.4160, -37.0208
Hunter-Lab	57.6401, -28.9455, 17.8493

Details

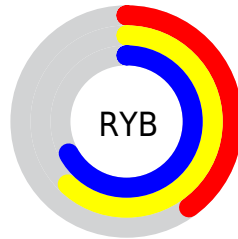
The RYB color **102, 159, 171** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **171, 102, 156**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **156, 216, 227**, and **49, 103, 118** is the 20% darker color. If you saturate the color by 10%, you get **85, 156, 171**, and if you desaturate by 10%, it is **119, 162, 171**.

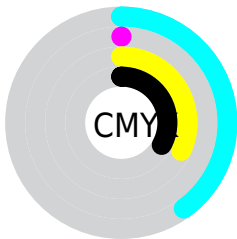
Distribution



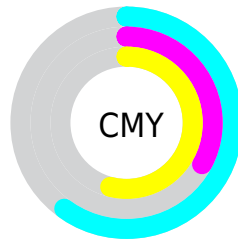
- Red (40%)
- Green (67%)
- Blue (46%)



- Red (40%)
- Yellow (62%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)




- Cyan (60%)
- Magenta (33%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 159, 171 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, 159, 171 by changing the saturation by 10% instead.

 102, 159, 171

255, 255, 255


 156, 216, 227


 184, 245, 255

 212, 246, 255

 241, 249, 255

 102, 159, 171

 76, 131, 144


 49, 103, 118


 20, 74, 93


 0, 52, 69


 0, 46, 46

 0, 24, 24

 0, 0, 0

 102, 159, 171

 85, 156, 171

 102, 159, 171

 119, 162, 171

■ 68, 153, 171

■ 136, 164, 171

■ 51, 150, 171

■ 153, 168, 171

■ 34, 147, 171

■ 170, 171, 171

■ 17, 145, 171

■ 187, 171, 184

■ 0, 141, 171

■ 205, 171, 198

■ 222, 171, 211

■ 239, 171, 225

■ 255, 171, 238

Harmonies

Analogous

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



91, 164, 110



102, 159, 171



43, 115, 174

Triad

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



102, 159, 171



94, 138, 227



224, 130, 125

Complementary

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



102, 159, 171



171, 102, 156

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.



221, 128, 160



102, 159, 171



155, 148, 219

Square

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



102, 159, 171



0, 95, 215



198, 135, 195



209, 167, 97

Rectangle

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



102, 159, 171



0, 88, 176



198, 135, 195



225, 128, 136

Sweetspot

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



102, 159, 171



195, 217, 222



102, 171, 116



96, 109, 112



240, 240, 240



112, 112, 112

Same Dimension

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



102, 159, 171



115, 203, 222



102, 143, 171



78, 85, 87



0, 124, 150



0, 19, 23

Inverse Universe

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



171, 102, 156



222, 115, 199



171, 102, 123



87, 78, 85



150, 0, 119



23, 0, 18

Previews

White Background



This preview shows how the RYB color 102, 159, 171 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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, 159, 171 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 ✓ Pass

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

RYB 102, 159, 171 Background



This preview shows how black text looks on a background with the RYB color 102, 159, 171.



This preview shows how white text looks on a background with the RYB color 102, 159, 171.

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, 159, 171

Protanopia
125, 167, 110

Deuteranopia
182, 173, 121



Tritanopia
115, 142, 177

Trichromacy



Original Color
102, 159, 171

Protanomaly
112, 161, 130

Deuteranomaly
119, 157, 123

Tritanomaly
110, 141, 166

Monochromacy



Original Color
102, 159, 171

Achromatopsia
144, 144, 144

Achromatomaly
129, 150, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 159, 171 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, 171, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 117)  
}
```

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, 171, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 117) }
```

Border

The CSS property to change the border of an element to RYB 102, 159, 171 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, 171, 117) }
```

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

```
.border{ border-color:rgb(102, 171, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 171, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 171, 117); box-shadow:4px 4px 4px 4px rgb(102, 171, 117) }
```

Background

The CSS property to change the background color of an element to RYB 102, 159, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 117) }
```

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

```
.background{ background-color: rgb(102,  
171, 117) }
```

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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