

Converting Colors

`RYB(101, 159, 157)`

Have a look what the booklet for
RYB(101, 159, 157) contains.

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Color

R_YB(101, 159, 157)

Conversions

Conversions Part 1

Format	Color
Hex	679F65
RGB	103, 159, 101
RGB Percent	40%, 62%, 40%
CMY	0.5961, 0.3765, 0.6039
CMYK	0.35, 0.00, 0.36, 0.38
HSL	118°, 23%, 51%
HSV	118°, 36%, 62%
XYZ	20.3406, 28.6194, 16.7640
YIQ	135.6440, -14.7580, -29.9100

Conversions

Conversions Part 2

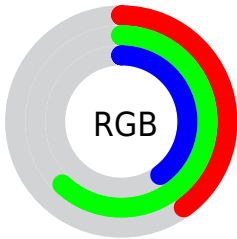
Format	Color
RYB	101, 159, 157
Decimal	6791013
CIELab	60.44, -30.43, 24.61
CIELCh	60, 39.132, 141.037
Yxy	28.6194, 0.3095, 0.4354
Android (android.graphics.Color)	4284981093 (0xFF679F65)
YUV	135.6440, -17.0795, -28.6288
Hunter-Lab	53.4971, -25.7509, 18.8688

Details

The RYB color **101, 159, 157** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **157, 101, 159**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **152, 214, 210**, and **52, 106, 107** is the 20% darker color. If you saturate the color by 10%, you get **85, 159, 156**, and if you desaturate by 10%, it is **117, 159, 158**.

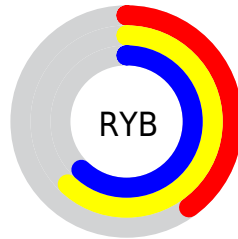
Distribution



Red (40%)

Green (62%)

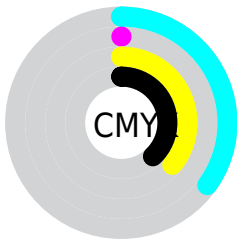
Blue (40%)



Red (40%)

Yellow (62%)

Blue (62%)

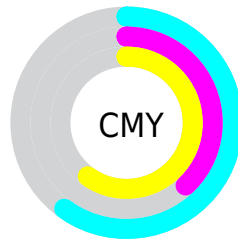


Cyan (35%)

Magenta (0%)

Yellow (36%)

Black (38%)



Cyan (60%)


Magenta (38%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 159, 157 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 101, 159, 157 by changing the saturation by 10% instead.

 101, 159, 157


255, 255, 255


 152, 214, 210


 179, 243, 238


 207, 255, 250

 235, 255, 249

 101, 159, 157

 77, 133, 133

 52, 106, 107

 26, 77, 82


 0, 52, 59


 0, 37, 37


 0, 3, 3

 0, 0, 0

 101, 159, 157

 85, 159, 156

 101, 159, 157

 117, 159, 158

■ 69, 159, 156

■ 133, 159, 158

■ 53, 159, 155

■ 149, 159, 159

■ 37, 159, 154

■ 164, 159, 165

■ 21, 159, 154

■ 180, 159, 181

■ 6, 159, 154

■ 195, 159, 196

■ 0, 159, 154

■ 210, 159, 212

■ 226, 159, 228

■ 241, 159, 244

Harmonies

Analogous

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



80, 151, 88



101, 159, 157



50, 115, 163

Triad

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



101, 159, 157



68, 121, 213



212, 119, 123

Complementary

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



101, 159, 157



157, 101, 159

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.



205, 119, 158



101, 159, 157



133, 140, 210

Square

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



101, 159, 157



0, 88, 198



179, 128, 189



201, 145, 93

Rectangle

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



101, 159, 157



0, 84, 164



179, 128, 189



212, 118, 134

Sweetspot

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



101, 159, 157



184, 207, 206



104, 159, 101



91, 105, 105



232, 232, 232



105, 105, 105

Same Dimension

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



101, 159, 157



116, 207, 204



101, 141, 159



71, 79, 79



0, 143, 138



0, 15, 14

Inverse Universe

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



157, 101, 159



203, 116, 207



159, 101, 133



79, 71, 79



138, 0, 143



15, 0, 15

Previews

White Background



This preview shows how the RYB color 101, 159, 157 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 101, 159, 157 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 101, 159, 157 Background



This preview shows how black text looks on a background with the RYB color 101, 159, 157.



This preview shows how white text looks on a background with the RYB color 101, 159, 157.

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
101, 159, 157

Protanopia
111, 158, 95

Deuteranopia
170, 172, 105



Tritanopia
115, 136, 164

Trichromacy



Original Color
101, 159, 157

Protanomaly
97, 150, 109

Deuteranomaly
105, 147, 104

Tritanomaly
111, 136, 154

Monochromacy



Original Color
101, 159, 157

Achromatopsia
136, 136, 136

Achromatomaly
123, 144, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 159, 157 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(103, 159, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 159, 101)  
}
```

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(103, 159, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 159, 101) }
```

Border

The CSS property to change the border of an element to RYB 101, 159, 157 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(103, 159, 101) }
```

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

```
.border{ border-color:rgb(103, 159, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 159, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 159, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 159, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 159,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 101, 159, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 159, 101) }
```

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

```
.background{ background-color: rgb(103,  
159, 101) }
```

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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