Converting Colors

RYB(103, 168, 159)

Have a look what the booklet for RYB(103, 168, 159) contains.

Color

RYB(103, 168, 159)

Conversions

Conversions Part 1

Format	Color
Hex	70A867
RGB	112, 168, 103
RGB Percent	44%, 66%, 40%
CMY	0.5608, 0.3412, 0.5961
CMYK	0.33, 0.00, 0.39, 0.34
HSL	112°, 27%, 53%
HSV	112°, 39%, 66%
XYZ	23.1329, 32.4293, 17.8722
YIQ	143.8460, -12.5110, -32.0870

Conversions

Conversions Part 2

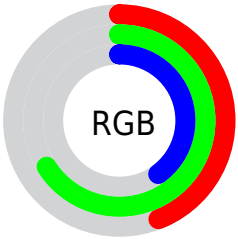
Format	Color
RYB	103, 168, 159
Decimal	7383143
CIELab	63.70, -31.34, 27.90
CIELCh	64, 41.961, 138.323
Yxy	32.4293, 0.3150, 0.4416
Android (android.graphics.Color)	4285573223 (0xFF70A867)
YUV	143.8460, -20.1371, -27.9289
Hunter-Lab	56.9467, -27.1464, 21.2551

Details

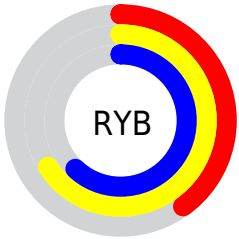
The RYB color 103, 168, 159 is a dark color, and the websafe version is hex 669966. A complement of this color would be 159, 103, 168, and the grayscale version is 144, 144, 144.

A 20% lighter version of the original color is 155, 224, 213, and 55, 115, 109 is the 20% darker color. If you saturate the color by 10%, you get 86, 168, 156, and if you desaturate by 10%, it is 120, 168, 162.

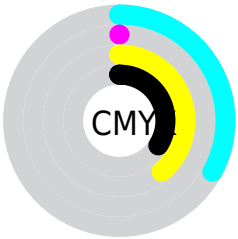
Distribution



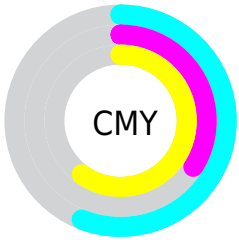
- Red (44%)
- Green (66%)
- Blue (40%)



- Red (40%)
- Yellow (66%)
- Blue (62%)



- Cyan (33%)
- Magenta (0%)
- Yellow (39%)
- Black (34%)



- Cyan (56%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 168, 159 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 103, 168, 159 by changing the saturation by 10% instead.

103, 168, 159	103, 168, 159
255, 255, 255	78, 141, 133
155, 224, 213	55, 115, 109
182, 252, 241	32, 91, 88
210, 255, 243	4, 63, 67
238, 255, 242	0, 44, 44
	0, 21, 21
	0, 0, 0

103, 168, 159	103, 168, 159
86, 168, 156	120, 168, 162

69, 168, 154

53, 168, 152

36, 168, 150

19, 168, 147

2, 168, 145

0, 168, 145

137, 168, 164

153, 168, 166

170, 168, 170

184, 168, 187

199, 168, 204

213, 168, 221

228, 168, 237

242, 168, 254

Harmonies

Analogous

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

81, 159, 85

103, 168, 159

55, 124, 173

Triad

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

103, 168, 159

58, 122, 227

226, 125, 133

Complementary

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

103, 168, 159

159, 103, 168

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.

217, 125, 171

103, 168, 159

135, 148, 225

Square

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

103, 168, 159

0, 94, 209

186, 136, 204

215, 148, 100

Rectangle

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

103, 168, 159

0, 90, 174

186, 136, 204

225, 124, 145

Sweetspot

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

103, 168, 159

193, 219, 215

115, 168, 103

94, 110, 108

237, 237, 237

110, 110, 110

Same Dimension

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

103, 168, 159

118, 219, 205

103, 151, 168

76, 84, 83

0, 148, 128

0, 20, 17

Inverse Universe

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

159, 103, 168

205, 118, 219

168, 103, 145

83, 76, 84

127, 0, 148

18, 0, 20

Previews

White Background

This preview shows how the RYB color 103, 168, 159 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

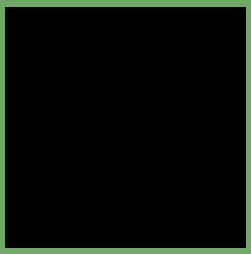
This preview shows how the RYB color 103, 168, 159 looks on a black background.

Color Contrast Check

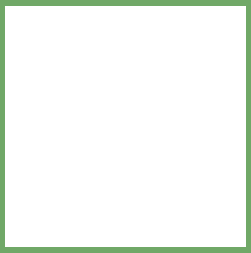
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 103, 168, 159 Background



This preview shows how black text looks on a background with the RYB color 103, 168, 159.



This preview shows how white text looks on a background with the RYB color 103, 168, 159.

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
103, 168, 159

Protanopia
113, 167, 97

Deuteranopia
177, 183, 108

Tritanopia
124, 145, 172

Trichromacy

Original Color
103, 168, 159

Protanomaly
99, 159, 111

Deuteranomaly
108, 157, 106

Tritanomaly
120, 146, 163

Monochromacy

Original Color
103, 168, 159

Achromatopsia
144, 144, 144

Achromatomaly
129, 153, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 168, 159 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(112, 168, 103) looks like.

```
.text, #text, p{
    color:rgb(112, 168, 103)
}
```

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(112, 168, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 103) }
```

Border

The CSS property to change the border of an element to RYB 103, 168, 159 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(112, 168, 103) }
```

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

```
.border{ border-color:rgb(112, 168, 103) }
```

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

Here you see how a box with a 4 pixel rgb(112, 168, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 168, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 168, 103); box-shadow:4px 4px 4px 4px rgb(112, 168, 103) }
```

Background

The CSS property to change the background color of an element to RYB 103, 168, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(112, 168, 103) }
```

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

```
.background{ background-color:rgb(112,
168, 103) }
```

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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