Converting Colors

RYB(107, 166, 162)

Have a look what the booklet for RYB(107, 166, 162) contains.

RYB(107, 166, 162) 3
Conversions 4
Details 6
Harmonies 11
Previews 23
Color Blindness Simulation 26
CSS Examples 29

Color

RYB(107, 166, 162)

Conversions

Conversions Part 1

Format	Color
Hex	6FA66B
RGB	111, 166, 107
RGB Percent	44%, 65%, 42%
CMY	0.5647, 0.3490, 0.5804
CMYK	0.33, 0.00, 0.36, 0.35
HSL	116°, 25%, 54%
HSV	116°, 36%, 65%
XYZ	22.8456, 31.7135, 18.8271
YIQ	142.8290, -13.8410, -30.0090

Conversions

Conversions Part 2

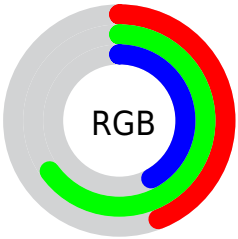
Format	Color
RYB	107, 166, 162
Decimal	7317099
CIELab	63.11, -30.09, 24.97
CIELCh	63, 39.101, 140.319
Yxy	31.7135, 0.3113, 0.4321
Android (android.graphics.Color)	4285507179 (0xFF6FA66B)
YUV	142.8290, -17.6637, -27.9140
Hunter-Lab	56.3147, -26.1374, 19.5985

Details

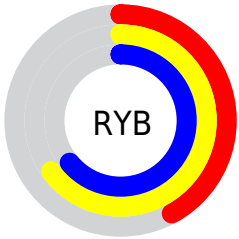
The RYB color 107, 166, 162 is a dark color, and the websafe version is hex 669966. A complement of this color would be 162, 107, 166, and the grayscale version is 143, 143, 143.

A 20% lighter version of the original color is 159, 221, 216, and 59, 114, 113 is the 20% darker color. If you saturate the color by 10%, you get 90, 166, 160, and if you desaturate by 10%, it is 124, 166, 164.

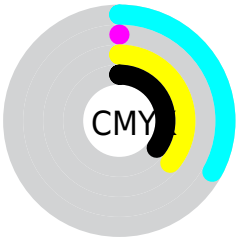
Distribution



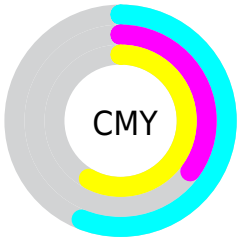
- Red (44%)
- Green (65%)
- Blue (42%)



- Red (42%)
- Yellow (65%)
- Blue (64%)



- Cyan (33%)
- Magenta (0%)
- Yellow (36%)
- Black (35%)



- Cyan (56%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 166, 162 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 107, 166, 162 by changing the saturation by 10% instead.

107, 166, 162	107, 166, 162
255, 255, 255	82, 139, 136
159, 221, 216	59, 114, 113
186, 250, 244	35, 88, 89
214, 255, 249	4, 56, 65
242, 255, 248	0, 42, 42
	0, 19, 19
	0, 0, 0

107, 166, 162	107, 166, 162
90, 166, 160	124, 166, 164

74, 166, 160

57, 166, 158

41, 166, 158

24, 166, 156

7, 166, 155

0, 166, 155

140, 166, 164

157, 166, 166

173, 166, 173

188, 166, 190

204, 166, 207

219, 166, 223

235, 166, 240

250, 166, 255

Harmonies

Analogous

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

86, 158, 93

107, 166, 162

60, 124, 170

Triad

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

107, 166, 162

75, 129, 221

220, 126, 130

Complementary

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

107, 166, 162

162, 107, 166

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.

212, 126, 166

107, 166, 162

139, 147, 218

Square

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

107, 166, 162

0, 92, 205

185, 135, 197

209, 151, 101

Rectangle

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

107, 166, 162

0, 87, 171

185, 135, 197

219, 125, 142

Sweetspot

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

107, 166, 162

193, 217, 215

112, 166, 107

95, 110, 109

237, 237, 237

110, 110, 110

Same Dimension

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

107, 166, 162

124, 217, 211

107, 148, 166

76, 84, 84

0, 148, 138

0, 20, 19

Inverse Universe

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

162, 107, 166

210, 124, 217

166, 107, 141

84, 76, 84

138, 0, 148

19, 0, 20

Previews

White Background

This preview shows how the RYB color 107, 166, 162 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

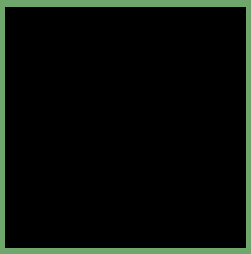
This preview shows how the RYB color 107, 166, 162 looks on a black background.

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 107, 166, 162 Background



This preview shows how black text looks on a background with the RYB color 107, 166, 162.

This preview shows how white text looks on a background with the RYB color 107, 166, 162.

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
107, 166, 162

Protanopia
117, 165, 101

Deuteranopia
180, 180, 112

Tritanopia
123, 143, 171

Trichromacy

Original Color
107, 166, 162

Protanomaly
103, 157, 115

Deuteranomaly
112, 155, 110

Tritanomaly
119, 144, 161

Monochromacy

Original Color
107, 166, 162

Achromatopsia
143, 143, 143

Achromatomaly
130, 151, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 166, 162 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(111, 166, 107) looks like.

```
.text, #text, p{
    color:rgb(111, 166, 107)
}
```

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(111, 166, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 166, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 166, 162 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(111, 166, 107) }
```

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

```
.border{ border-color:rgb(111, 166, 107) }
```

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

Here you see how a box with a 4 pixel rgb(111, 166, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 166, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 166, 107); box-shadow:4px 4px 4px 4px rgb(111, 166, 107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 166, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(111, 166, 107) }
```

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

```
.background{ background-color:rgb(111,
166, 107) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor