Converting Colors

RYB(117, 193, 156)

Have a look what the booklet for RYB(117, 193, 156) contains.

Color

RYB(117, 193, 156)

Conversions

Conversions Part 1

Format	Color
Hex	9AC175
RGB	154, 193, 117
RGB Percent	60%, 76%, 46%
CMY	0.3961, 0.2431, 0.5412
CMYK	0.20, 0.00, 0.39, 0.24
HSL	91°, 38%, 61%
HSV	91°, 39%, 76%
XYZ	35.6073, 46.2943, 23.8886
YIQ	172.6750, 1.1520, -31.9040

Conversions

Conversions Part 2

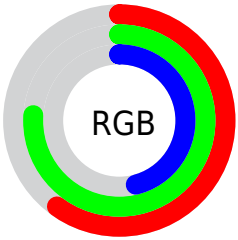
Format	Color
RYB	117, 193, 156
Decimal	10142069
CIELab	73.74, -26.35, 34.09
CIELCh	74, 43.088, 127.701
Yxy	46.2943, 0.3366, 0.4376
Android (android.graphics.Color)	4288332149 (0xFF9AC175)
YUV	172.6750, -27.4478, -16.3780
Hunter-Lab	68.0399, -25.6556, 26.8114

Details

The RYB color 117, 193, 156 is a light color, and the websafe version is hex 99CC66. A complement of this color would be 156, 117, 193, and the grayscale version is 173, 173, 173.

A 20% lighter version of the original color is 170, 250, 211, and 67, 139, 105 is the 20% darker color. If you saturate the color by 10%, you get 98, 193, 147, and if you desaturate by 10%, it is 136, 193, 165.

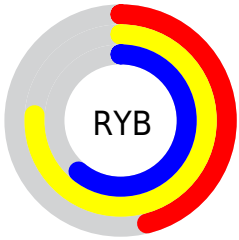
Distribution



Red (60%)

Green (76%)

Blue (46%)



Red (46%)

Yellow (76%)

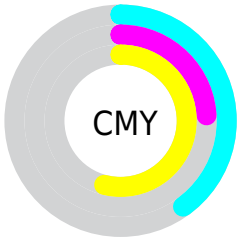
Blue (61%)

Cyan (20%)

Magenta (0%)

Yellow (39%)

Black (24%)



Cyan (40%)

Magenta (24%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 193, 156 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 117, 193, 156 by changing the saturation by 10% instead.

117, 193, 156	117, 193, 156
255, 255, 255	92, 166, 131
170, 250, 211	67, 139, 105
198, 255, 215	43, 114, 81
226, 255, 226	19, 89, 57
	0, 65, 38
	0, 43, 43
	0, 21, 21
	0, 0, 0

117, 193, 156	117, 193, 156

98, 193, 147

78, 193, 137

59, 193, 128

40, 193, 119

21, 193, 110

1, 193, 99

0, 193, 99

136, 193, 165

156, 193, 175

175, 193, 184

194, 193, 194

204, 193, 213

213, 193, 233

223, 193, 252

233, 193, 255

243, 193, 255

Harmonies

Analogous

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

119, 197, 101

117, 193, 156

104, 169, 200

Triad

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

117, 193, 156

57, 137, 254

255, 150, 172

Complementary

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

117, 193, 156

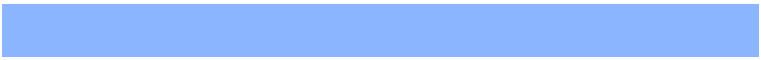
156, 117, 193

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.

239, 154, 212

117, 193, 156



139, 170, 255

Square

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

117, 193, 156

0, 107, 228

199, 167, 244

253, 161, 135

Rectangle

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

117, 193, 156

61, 138, 202

199, 167, 244

253, 150, 186

Sweetspot

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

117, 193, 156

220, 250, 235

193, 193, 117

107, 125, 116

252, 252, 252

125, 125, 125

Same Dimension

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

117, 193, 156

132, 250, 192

117, 193, 193

87, 97, 92

0, 161, 83

0, 33, 17

Inverse Universe

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

156, 117, 193

193, 132, 250

193, 117, 193

92, 87, 97

82, 0, 161

17, 0, 33

Previews

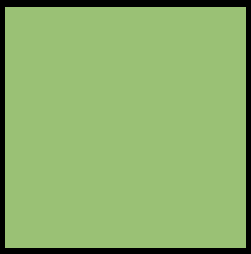
White Background

This preview shows how the RYB color 117, 193, 156 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



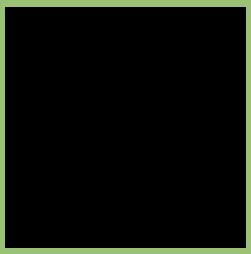
This preview shows how the RYB color 117, 193, 156 looks on a black background.

Color Contrast Check

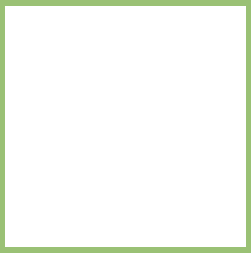
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

RYB 117, 193, 156 Background



This preview shows how black text looks on a background with the RYB color 117, 193, 156.

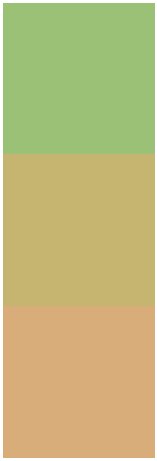


This preview shows how white text looks on a background with the RYB color 117, 193, 156.

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
117, 193, 156

Protanopia
132, 197, 112

Deuteranopia
201, 216, 122

Tritanopia
166, 177, 198

Trichromacy

Original Color
117, 193, 156

Protanomaly
114, 185, 118

Deuteranomaly
136, 193, 120

Tritanomaly
162, 182, 187

Monochromacy

Original Color
117, 193, 156

Achromatopsia
173, 173, 173

Achromatomaly
153, 180, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 193, 156 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(154, 193, 117) looks like.

```
.text, #text, p{
    color:rgb(154, 193, 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(154, 193, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 193, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 193, 156 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(154, 193, 117) }
```

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

```
.border{ border-color:rgb(154, 193, 117) }
```

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

Here you see how a box with a 4 pixel rgb(154, 193, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 193, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 193, 117); box-shadow:4px 4px 4px 4px rgb(154, 193, 117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 193, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(154, 193, 117) }
```

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

```
.background{ background-color:rgb(154,
193, 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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