Converting Colors

RYB(122, 181, 133)

Have a look what the booklet for RYB(122, 181, 133) contains.

Color

RYB(122, 181, 133)

Conversions

Conversions Part 1

Format	Color
Hex	AAB57A
RGB	170, 181, 122
RGB Percent	67%, 71%, 48%
CMY	0.3333, 0.2902, 0.5216
CMYK	0.06, 0.00, 0.33, 0.29
HSL	71°, 29%, 59%
HSV	71°, 33%, 71%
XYZ	36.6143, 42.9989, 24.7822
YIQ	170.9850, 12.3830, -20.6810

Conversions

Conversions Part 2

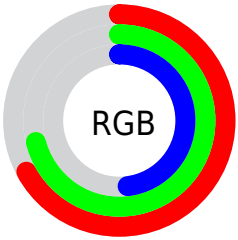
Format	Color
RYB	122, 181, 133
Decimal	11187578
CIELab	71.55, -13.58, 28.84
CIELCh	72, 31.881, 115.211
Yxy	42.9989, 0.3507, 0.4119
Android (android.graphics.Color)	4289377658 (0xFFAAB57A)
YUV	170.9850, -24.1496, -0.8638
Hunter-Lab	65.5736, -15.0848, 23.4941

Details

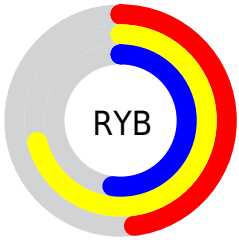
The RYB color 122, 181, 133 is a light color, and the websafe version is hex 999966. A complement of this color would be 133, 122, 181, and the grayscale version is 171, 171, 171.

A 20% lighter version of the original color is 175, 237, 186, and 72, 128, 83 is the 20% darker color. If you saturate the color by 10%, you get 104, 181, 118, and if you desaturate by 10%, it is 140, 181, 148.

Distribution

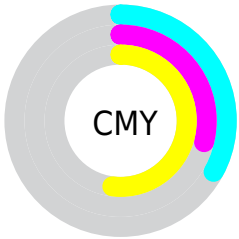


- Red (67%)
- Green (71%)
- Blue (48%)



- Red (48%)
- Yellow (71%)
- Blue (52%)

- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 181, 133 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 122, 181, 133 by changing the saturation by 10% instead.

122, 181, 133

255, 255, 255

175, 237, 186

203, 255, 203

231, 255, 231

122, 181, 133

97, 154, 108

72, 128, 83

49, 103, 60

26, 79, 38

2, 56, 14

0, 35, 13

0, 11, 11

0, 0, 0

122, 181, 133

122, 181, 133

104, 181, 118

86, 181, 104

68, 181, 89

50, 181, 74

31, 181, 59

13, 181, 44

0, 181, 34

140, 181, 148

158, 181, 162

176, 181, 177

183, 181, 194

187, 181, 213

190, 181, 231

194, 181, 249

197, 181, 255

200, 181, 255

Harmonies

Analogous

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

159, 200, 117

122, 181, 133

136, 183, 188

Triad

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

122, 181, 133

91, 146, 222

229, 154, 181

Complementary

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

122, 181, 133

133, 122, 181

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.

208, 160, 209

122, 181, 133

130, 163, 233

Square

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

122, 181, 133

80, 137, 199

173, 169, 228

233, 155, 152

Rectangle

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

122, 181, 133

114, 162, 190

173, 169, 228

224, 155, 191

Sweetspot

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

122, 181, 133

211, 235, 216

181, 136, 122

103, 117, 105

245, 245, 245

117, 117, 117

Same Dimension

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

122, 181, 133

143, 235, 160

122, 181, 162

80, 89, 81

0, 153, 29

0, 26, 5

Inverse Universe

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

133, 122, 181

160, 143, 235

162, 122, 181

82, 80, 89

29, 0, 153

5, 0, 26

Previews

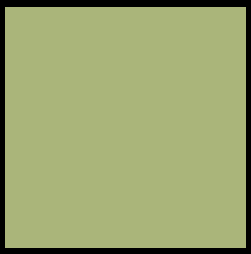
White Background

This preview shows how the RYB color 122, 181, 133 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



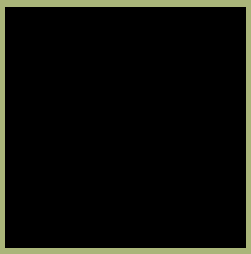
This preview shows how the RYB color 122, 181, 133 looks on a black background.

Color Contrast Check

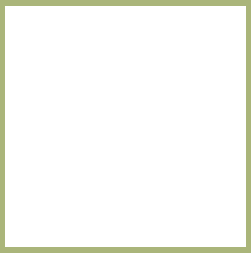
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

RYB 122, 181, 133 Background



This preview shows how black text looks on a background with the RYB color 122, 181, 133.



This preview shows how white text looks on a background with the RYB color 122, 181, 133.

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

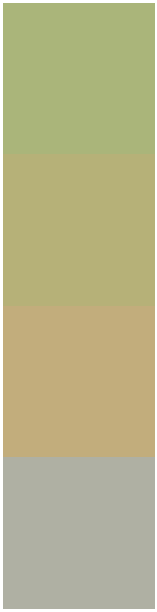
Original Color
122, 181, 133

Protanopia
137, 189, 119

Deuteranopia
202, 208, 125

Tritanopia
178, 173, 187

Trichromacy



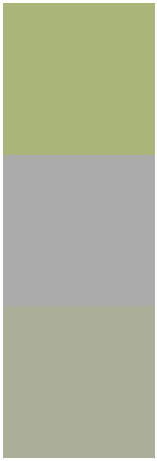
Original Color
122, 181, 133

Protanomaly
125, 182, 120

Deuteranomaly
154, 194, 124

Tritanomaly
163, 176, 164

Monochromacy



Original Color
122, 181, 133

Achromatopsia
171, 171, 171

Achromatomaly
153, 175, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 181, 133 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(170, 181, 122) looks like.

```
.text, #text, p{
    color:rgb(170, 181, 122)
}
```

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(170, 181, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 122) }
```

Border

The CSS property to change the border of an element to RYB 122, 181, 133 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(170, 181, 122) }
```

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

```
.border{ border-color:rgb(170, 181, 122) }
```

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

Here you see how a box with a 4 pixel rgb(170, 181, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 181, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 181, 122); box-shadow:4px 4px 4px 4px rgb(170, 181, 122) }
```

Background

The CSS property to change the background color of an element to RYB 122, 181, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(170, 181, 122) }
```

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

```
.background{ background-color:rgb(170,
181, 122) }
```

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