

Converting Colors

`RYB(116, 170, 156)`

Have a look what the booklet for
RYB(116, 170, 156) contains.

| | |
|--|----|
| RYB(116, 170, 156) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

`RYB(116, 170, 156)`

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 82AA74 |
| RGB | 130, 170, 116 |
| RGB Percent | 51%, 67%, 45% |
| CMY | 0.4902, 0.3333, 0.5451 |
| CMYK | 0.24, 0.00, 0.32, 0.33 |
| HSL | 104°, 24%, 56% |
| HSV | 104°, 32%, 67% |
| XYZ | 26.7330, 34.7562, 21.8226 |
| YIQ | 151.8840, -6.5060, -25.2740 |

Conversions

Conversions Part 2

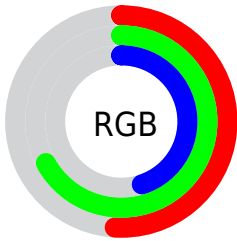
| Format | Color |
|-------------------------------------|--|
| RYB | 116, 170, 156 |
| Decimal | 8563316 |
| CIELab | 65.56, -23.95, 23.57 |
| CIELCh | 66, 33.605, 135.450 |
| Yxy | 34.7562, 0.3209, 0.4172 |
| Android (android.graphics.Color) | 4286753396 (0xFF82AA74) |
| YUV | 151.8840, -17.6908, -19.1923 |
| Hunter-Lab | 58.9544, -22.2289, 19.3212 |

Details

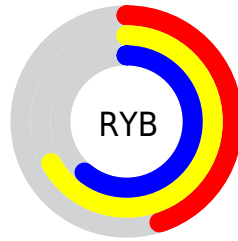
The RYB color **116, 170, 156** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **156, 116, 170**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **168, 225, 209**, and **67, 118, 106** is the 20% darker color. If you saturate the color by 10%, you get **99, 170, 152**, and if you desaturate by 10%, it is **133, 170, 160**.

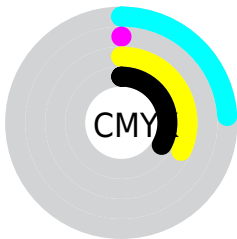
Distribution



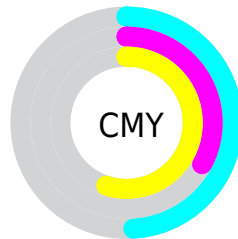
- Red (51%)
- Green (67%)
- Blue (45%)



- Red (45%)
- Yellow (67%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)



- Cyan (49%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 170, 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 116, 170, 156 by changing the saturation by 10% instead.

 116, 170, 156

255, 255, 255


 168, 225, 209


 196, 254, 238


 224, 255, 239


253, 255, 253


 116, 170, 156

 99, 170, 152

 116, 170, 156

 91, 143, 130

 67, 118, 106


 44, 93, 82

 22, 69, 60


 0, 46, 37


 0, 28, 28


 0, 0, 0


 116, 170, 156


 133, 170, 160


 82, 170, 147


 150, 170, 165

 65, 170, 143


 167, 170, 169

 48, 170, 138

 180, 170, 184

 31, 170, 134


 193, 170, 201

 14, 170, 130

 206, 170, 218

 0, 170, 126

 218, 170, 235

 231, 170, 252

 243, 170, 255

Harmonies

Analogous

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



102, 164, 100



116, 170, 156



93, 143, 174

Triad

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



116, 170, 156



93, 139, 217



219, 136, 145

Complementary

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



116, 170, 156



156, 116, 170

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.



209, 138, 175



116, 170, 156



142, 155, 217

Square

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



116, 170, 156



51, 118, 201



182, 146, 202



212, 150, 118

Rectangle

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



116, 170, 156



68, 125, 176



182, 146, 202



217, 136, 155

Sweetspot

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



116, 170, 156



200, 222, 217



135, 170, 116



99, 112, 109



240, 240, 240



112, 112, 112

Same Dimension

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



116, 170, 156



138, 222, 201



116, 160, 170



76, 84, 82



0, 148, 110



0, 20, 15

Inverse Universe

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



156, 116, 170



200, 138, 222



170, 116, 157



82, 76, 84



110, 0, 148



15, 0, 20

Previews

White Background



This preview shows how the RYB color 116, 170, 156 looks on a white background.

Color Contrast Check

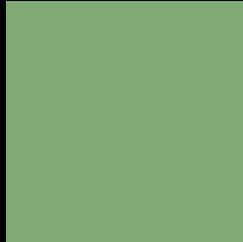
Large Text (above 18pt) WCAG AA × Fail

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 116, 170, 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 116, 170, 156 Background



This preview shows how black text looks on a background with the RYB color 116, 170, 156.

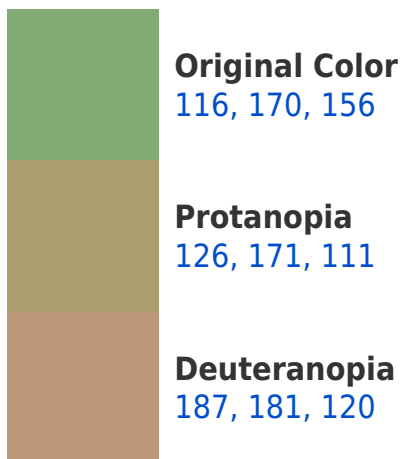


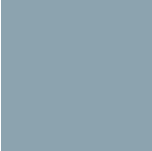
This preview shows how white text looks on a background with the RYB color 116, 170, 156.

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





Tritanopia

140, 154, 175

Trichromacy



Original Color
116, 170, 156

Protanomaly
113, 163, 120

Deuteranomaly
127, 166, 119

Tritanomaly
136, 154, 165

Monochromacy



Original Color
116, 170, 156

Achromatopsia
152, 152, 152

Achromatomaly
139, 159, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 170, 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(130, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(130, 170, 116)  
}
```

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(130, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 170, 116) }
```

Border

The CSS property to change the border of an element to RYB 116, 170, 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(130, 170, 116) }
```

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

```
.border{ border-color:rgb(130, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(130, 170,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 116, 170, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 170, 116) }
```

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

```
.background{ background-color: rgb(130,  
170, 116) }
```

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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