

Converting Colors

`RYB(106, 187, 156)`

Have a look what the booklet for
RYB(106, 187, 156) contains.

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Color

R_YB(106, 187, 156)

Conversions

Conversions Part 1

Format	Color
Hex	89BB6A
RGB	137, 187, 106
RGB Percent	54%, 73%, 42%
CMY	0.4627, 0.2667, 0.5843
CMYK	0.27, 0.00, 0.43, 0.27
HSL	97°, 37%, 57%
HSV	97°, 43%, 73%
XYZ	30.6884, 41.8996, 20.1057
YIQ	162.8160, -3.7990, -35.7910

Conversions

Conversions Part 2

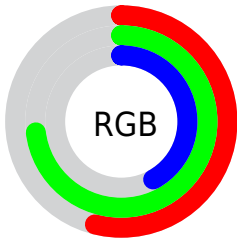
Format	Color
RYB	106, 187, 156
Decimal	9026410
CIELab	70.80, -31.13, 35.77
CIELCh	71, 47.417, 131.032
Yxy	41.8996, 0.3311, 0.4520
Android (android.graphics.Color)	4287216490 (0xFF89BB6A)
YUV	162.8160, -28.0103, -22.6406
Hunter-Lab	64.7299, -28.6507, 26.8950

Details

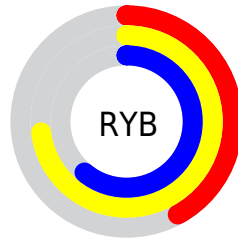
The RYB color **106, 187, 156** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **156, 106, 187**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **158, 243, 209**, and **57, 133, 105** is the 20% darker color. If you saturate the color by 10%, you get **87, 187, 149**, and if you desaturate by 10%, it is **125, 187, 163**.

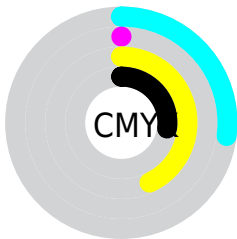
Distribution



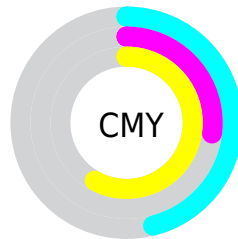
- Red (54%)
- Green (73%)
- Blue (42%)



- Red (42%)
- Yellow (73%)
- Blue (61%)



- Cyan (27%)
- Magenta (0%)
- Yellow (43%)
- Black (27%)



- Cyan (46%)
- Magenta (27%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 187, 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 106, 187, 156 by changing the saturation by 10% instead.

 106, 187, 156

255, 255, 255


 158, 243, 209


 186, 255, 221

 214, 255, 220

 242, 255, 242

 106, 187, 156

 81, 160, 131

 57, 133, 105

 32, 108, 81

 6, 83, 56

 0, 60, 54

 0, 38, 38

 0, 5, 5

 0, 0, 0

 106, 187, 156

 106, 187, 156

■ 87, 187, 149

■ 125, 187, 163

■ 69, 187, 142

■ 143, 187, 170

■ 50, 187, 135

■ 162, 187, 177

■ 31, 187, 127

■ 181, 187, 185

■ 13, 187, 121

■ 195, 187, 200

■ 0, 187, 115

■ 206, 187, 218

■ 218, 187, 237

■ 229, 187, 255

■ 241, 187, 255

Harmonies

Analogous

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



95, 184, 86



106, 187, 156



76, 151, 194

Triad

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



106, 187, 156



0, 107, 254



255, 138, 159

Complementary

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



106, 187, 156



156, 106, 187

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, 142, 202



106, 187, 156



132, 162, 255

Square

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



106, 187, 156



0, 105, 229



198, 156, 239



248, 153, 119

Rectangle

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



106, 187, 156



0, 103, 195



198, 156, 239



253, 138, 173

Sweetspot

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



106, 187, 156



211, 242, 230



156, 187, 106



103, 122, 115



250, 250, 250



122, 122, 122

Same Dimension

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



106, 187, 156



116, 242, 194



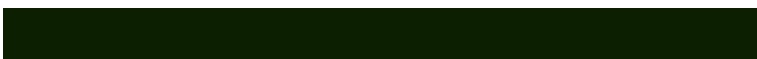
106, 179, 187



85, 94, 90



0, 158, 97



0, 31, 19

Inverse Universe

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



156, 106, 187



194, 116, 242



187, 106, 178



91, 85, 94



98, 0, 158



19, 0, 31

Previews

White Background



This preview shows how the RYB color 106, 187, 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 106, 187, 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 106, 187, 156 Background



This preview shows how black text looks on a background with the RYB color 106, 187, 156.



This preview shows how white text looks on a background with the RYB color 106, 187, 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](#).

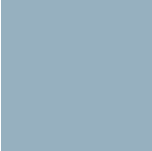
Dichromacy



Original Color
106, 187, 156

Protanopia
121, 189, 101

Deuteranopia
188, 208, 111



Tritanopia
150, 166, 191

Trichromacy



Original Color
106, 187, 156

Protanomaly
103, 178, 111

Deuteranomaly
119, 182, 109

Tritanomaly
145, 170, 181

Monochromacy



Original Color
106, 187, 156

Achromatopsia
163, 163, 163

Achromatomaly
142, 172, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 187, 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(137, 187, 106)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 106)  
}
```

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(137, 187, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 106) }
```

Border

The CSS property to change the border of an element to RYB 106, 187, 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(137, 187, 106) }
```

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

```
.border{ border-color:rgb(137, 187, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 187, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 187, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 187, 106);  
box-shadow:4px 4px 4px 4px rgb(137, 187,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 106, 187, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 106) }
```

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

```
.background{ background-color: rgb(137,  
187, 106) }
```

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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