

Converting Colors

`RYB(111, 168, 106)`

Have a look what the booklet for
RYB(111, 168, 106) contains.

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Color

R_YB(111, 168, 106)

Conversions

Conversions Part 1

Format	Color
Hex	A8A36A
RGB	168, 163, 106
RGB Percent	66%, 64%, 42%
CMY	0.3412, 0.3593, 0.5843
CMYK	0.00, 0.03, 0.37, 0.34
HSL	56°, 26%, 54%
HSV	56°, 37%, 66%
XYZ	31.9135, 35.6925, 18.8430
YIQ	157.9970, 21.2770, -16.6670

Conversions

Conversions Part 2

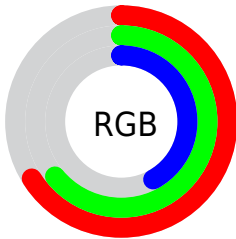
Format	Color
RYB	111, 168, 106
Decimal	11051882
CIELab	66.28, -7.15, 30.42
CIELCh	66, 31.246, 103.232
Yxy	35.6925, 0.3692, 0.4129
Android (android.graphics.Color)	4289241962 (0xFFA8A36A)
YUV	157.9970, -25.6345, 8.7726
Hunter-Lab	59.7432, -9.1999, 23.1202

Details

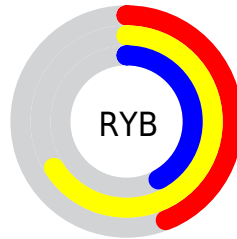
The RYB color **111, 168, 106** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **106, 111, 168**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **165, 224, 158**, and **61, 115, 57** is the 20% darker color. If you saturate the color by 10%, you get **95, 168, 89**, and if you desaturate by 10%, it is **126, 168, 123**.

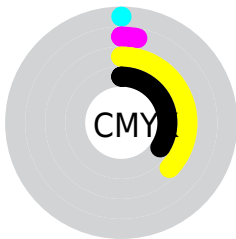
Distribution



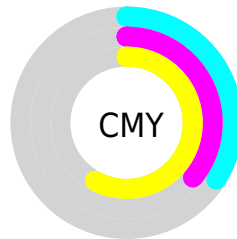
- Red (66%)
- Green (64%)
- Blue (42%)



- Red (44%)
- Yellow (66%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (37%)
- Black (34%)




- Cyan (34%)
- Magenta (36%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 168, 106 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 111, 168, 106 by changing the saturation by 10% instead.

 111, 168, 106


255, 255, 255


 165, 224, 158


 192, 253, 185

 213, 255, 213

 242, 255, 242

 111, 168, 106

 85, 141, 81

 60, 115, 57


 36, 89, 34

 12, 65, 11


 0, 42, 0


 0, 23, 7

 0, 0, 0

 111, 168, 106

 95, 168, 89

 111, 168, 106

 126, 168, 123

■ 80, 168, 72

■ 142, 168, 140

■ 65, 168, 56

■ 157, 168, 156

■ 50, 168, 39

■ 168, 168, 173

■ 34, 168, 22

■ 168, 170, 190

■ 18, 168, 5

■ 168, 171, 207

■ 14, 168, 0

■ 168, 172, 224

■ 168, 173, 240

■ 168, 174, 255

Harmonies

Analogous

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



183, 194, 108



111, 168, 106



119, 171, 153

Triad

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



111, 168, 106



67, 126, 199



206, 142, 178

Complementary

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



111, 168, 106



106, 111, 168

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.



180, 150, 202



111, 168, 106



99, 142, 214

Square

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



111, 168, 106



73, 126, 177



142, 156, 215



217, 140, 150

Rectangle

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



111, 168, 106



114, 158, 174



142, 156, 215



199, 144, 187

Sweetspot

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



111, 168, 106



197, 219, 195



168, 106, 111



96, 110, 95



237, 237, 237



110, 110, 110

Same Dimension

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



111, 168, 106



131, 219, 123



106, 168, 132



76, 84, 76



12, 148, 0



1, 20, 0

Inverse Universe

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



106, 111, 168



123, 130, 219



132, 106, 168



76, 76, 84



0, 10, 148



0, 2, 20

Previews

White Background



This preview shows how the RYB color 111, 168, 106 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 111, 168, 106 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 111, 168, 106 Background



This preview shows how black text looks on a background with the RYB color 111, 168, 106.



This preview shows how white text looks on a background with the RYB color 111, 168, 106.

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
111, 168, 106

Protanopia
123, 175, 105

Deuteranopia
180, 193, 108



Tritanopia
175, 156, 168

Trichromacy



Original Color

111, 168, 106

Protanomaly

117, 172, 105

Deuteranomaly

149, 184, 107

Tritanomaly

170, 172, 145

Monochromacy



Original Color

111, 168, 106

Achromatopsia

158, 158, 158

Achromatomaly

141, 162, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 168, 106 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(168, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 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(168, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 106) }
```

Border

The CSS property to change the border of an element to RYB 111, 168, 106 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(168, 163, 106) }
```

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

```
.border{ border-color:rgb(168, 163, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 111, 168, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 106) }
```

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

```
.background{ background-color: rgb(168,  
163, 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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