

Converting Colors

`RYB(93, 183, 106)`

Have a look what the booklet for RYB(93, 183, 106) contains.

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Color

R_YB(93, 183, 106)

Conversions

Conversions Part 1

Format	Color
Hex	AAB75D
RGB	170, 183, 93
RGB Percent	67%, 72%, 36%
CMY	0.3333, 0.2824, 0.6353
CMYK	0.07, 0.00, 0.49, 0.28
HSL	69°, 38%, 54%
HSV	69°, 49%, 72%
XYZ	35.4868, 43.2033, 16.8246
YIQ	168.8530, 21.1420, -30.7460

Conversions

Conversions Part 2

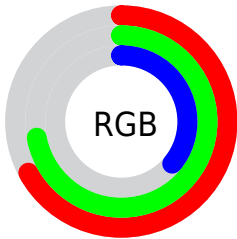
Format	Color
RYB	93, 183, 106
Decimal	11188061
CIELab	71.69, -17.95, 43.87
CIELCh	72, 47.402, 112.252
Yxy	43.2033, 0.3715, 0.4523
Android (android.graphics.Color)	4289378141 (0xFFAAB75D)
YUV	168.8530, -37.3955, 1.0059
Hunter-Lab	65.7292, -18.6551, 30.8341

Details

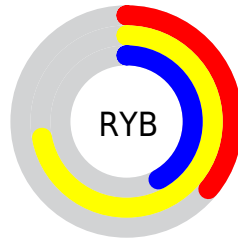
The RYB color **93, 183, 106** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **106, 93, 183**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **145, 239, 157**, and **43, 130, 57** is the 20% darker color. If you saturate the color by 10%, you get **75, 183, 91**, and if you desaturate by 10%, it is **111, 183, 121**.

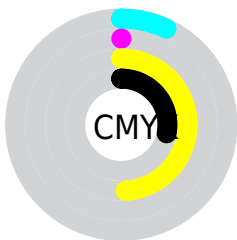
Distribution



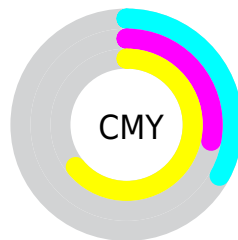
- Red (67%)
- Green (72%)
- Blue (36%)



- Red (36%)
- Yellow (72%)
- Blue (42%)



- Cyan (7%)
- Magenta (0%)
- Yellow (49%)
- Black (28%)





- Cyan (33%)
- Magenta (28%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 93, 183, 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 93, 183, 106 by changing the saturation by 10% instead.

 93, 183, 106

 93, 183, 106

255, 255, 255

 68, 156, 81

 145, 239, 157

 43, 130, 57

 173, 255, 173

 15, 105, 30

 200, 255, 200

 0, 81, 16


 229, 255, 229


 0, 58, 18

 0, 36, 21

 0, 12, 12

 0, 0, 0

 93, 183, 106

 93, 183, 106

■ 75, 183, 91

■ 111, 183, 121

■ 56, 183, 74

■ 130, 183, 138

■ 38, 183, 59

■ 148, 183, 153

■ 20, 183, 44

■ 166, 183, 168

■ 2, 183, 28

■ 183, 183, 185

■ 0, 183, 26

■ 186, 183, 203

■ 189, 183, 221

■ 191, 183, 239

■ 194, 183, 255

Harmonies

Analogous

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



155, 212, 89



93, 183, 106



119, 190, 192

Triad

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



93, 183, 106



0, 108, 243



251, 141, 189

Complementary

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



93, 183, 106



106, 93, 183

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.



219, 152, 229



93, 183, 106



76, 143, 255

Square

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



93, 183, 106



0, 101, 207



162, 169, 255



255, 142, 145

Rectangle

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



93, 183, 106



75, 150, 196



162, 169, 255



243, 144, 203

Sweetspot

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



93, 183, 106



202, 237, 207



183, 107, 93



98, 120, 101



247, 247, 247



120, 120, 120

Same Dimension

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



93, 183, 106



97, 237, 117



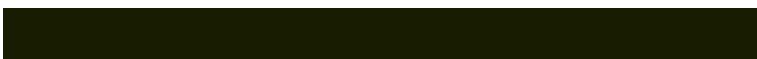
93, 183, 150



83, 92, 85



0, 156, 23



0, 28, 4

Inverse Universe

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



106, 93, 183



117, 97, 237



150, 93, 183



84, 83, 92



22, 0, 156



4, 0, 28

Previews

White Background



This preview shows how the RYB color 93, 183, 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 93, 183, 106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

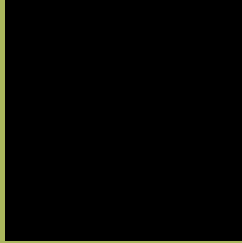
Any Text WCAG AA ✓ Pass

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](#).

R Y B 93, 183, 106 Background



This preview shows how black text looks on a background with the RYB color 93, 183, 106.



This preview shows how white text looks on a background with the RYB color 93, 183, 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
93, 183, 106

Protanopia
112, 194, 90

Deuteranopia
176, 214, 97



Tritanopia
181, 173, 186

Trichromacy



Original Color

93, 183, 106

Protanomaly

97, 185, 91

Deuteranomaly

129, 198, 96

Tritanomaly

152, 177, 152

Monochromacy



Original Color

93, 183, 106

Achromatopsia

169, 169, 169

Achromatomaly

141, 174, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 183, 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(170, 183, 93)` looks like.

```
.text, #text, p{  
    color:rgb(170, 183, 93)  
}
```

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, 183, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 183, 93) }
```

Border

The CSS property to change the border of an element to RYB 93, 183, 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(170, 183, 93) }
```

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

```
.border{ border-color:rgb(170, 183, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 183, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 183, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 183, 93);  
box-shadow:4px 4px 4px 4px rgb(170, 183,  
93) }
```

Background

The CSS property to change the background color of an element to RYB 93, 183, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 183, 93) }
```

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

```
.background{ background-color: rgb(170,  
183, 93) }
```

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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