

Converting Colors

`RYB(102, 185, 121)`

Have a look what the booklet for
RYB(102, 185, 121) contains.

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Color

R_YB(102, 185, 121)

Conversions

Conversions Part 1

Format	Color
Hex	A6B966
RGB	166, 185, 102
RGB Percent	65%, 73%, 40%
CMY	0.3490, 0.2745, 0.6000
CMYK	0.10, 0.00, 0.45, 0.27
HSL	74°, 37%, 56%
HSV	74°, 45%, 73%
XYZ	35.4731, 43.7642, 19.1481
YIQ	169.8570, 15.3190, -29.8410

Conversions

Conversions Part 2

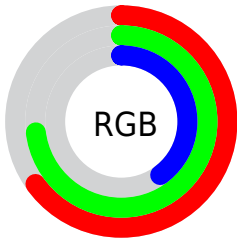
Format	Color
RYB	102, 185, 121
Decimal	10926438
CIELab	72.07, -19.62, 39.79
CIELCh	72, 44.370, 116.251
Yxy	43.7642, 0.3606, 0.4448
Android (android.graphics.Color)	4289116518 (0xFFA6B966)
YUV	169.8570, -33.4535, -3.3826
Hunter-Lab	66.1545, -20.0559, 29.1470

Details

The RYB color **102, 185, 121** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **121, 102, 185**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **154, 241, 173**, and **52, 132, 72** is the 20% darker color. If you saturate the color by 10%, you get **84, 185, 107**, and if you desaturate by 10%, it is **121, 185, 136**.

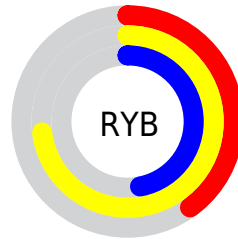
Distribution



Red (65%)

Green (73%)

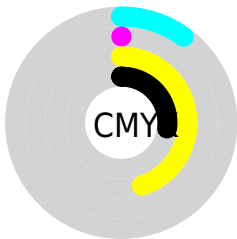
Blue (40%)



Red (40%)

Yellow (73%)

Blue (47%)

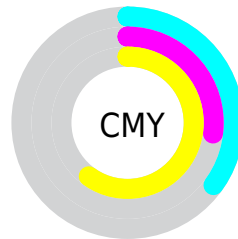


Cyan (10%)

Magenta (0%)

Yellow (45%)

Black (27%)



Cyan (35%)


Magenta (27%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 185, 121 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 102, 185, 121 by changing the saturation by 10% instead.

 102, 185, 121


255, 255, 255


 154, 241, 173


 182, 255, 186


 210, 255, 210


 238, 255, 238

 102, 185, 121


 77, 158, 96


 52, 132, 72

 27, 107, 47


 0, 82, 20


 0, 59, 20

 0, 37, 24

 0, 14, 14

 0, 0, 0

 102, 185, 121

 102, 185, 121

■ 84, 185, 107

■ 121, 185, 136

■ 65, 185, 92

■ 139, 185, 150

■ 47, 185, 79

■ 157, 185, 163

■ 28, 185, 64

■ 176, 185, 178

■ 9, 185, 49

■ 187, 185, 195

■ 0, 185, 42

■ 191, 185, 213

■ 196, 185, 232

■ 200, 185, 250

■ 204, 185, 255

Harmonies

Analogous

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



144, 207, 95



102, 185, 121



118, 183, 193

Triad

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



102, 185, 121



0, 107, 243



250, 144, 183

Complementary

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



102, 185, 121



121, 102, 185

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.



223, 153, 222



102, 185, 121



102, 155, 255

Square

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



102, 185, 121



0, 102, 211



173, 168, 249



254, 147, 143

Rectangle

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



102, 185, 121



77, 149, 197



173, 168, 249



243, 146, 197

Sweetspot

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



102, 185, 121



209, 240, 216



185, 125, 102



101, 120, 106



247, 247, 247



120, 120, 120

Same Dimension

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



102, 185, 121



110, 240, 140



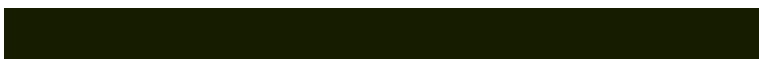
102, 185, 161



83, 92, 85



0, 156, 36



0, 28, 6

Inverse Universe

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



121, 102, 185



140, 110, 240



161, 102, 185



85, 83, 92



36, 0, 156



6, 0, 28

Previews

White Background



This preview shows how the RYB color 102, 185, 121 looks on a white background.

Color Contrast Check

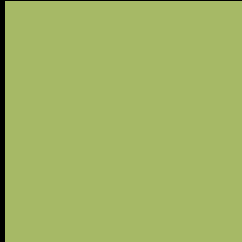
Large Text (above 18pt) WCAG AA × Fail

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 102, 185, 121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

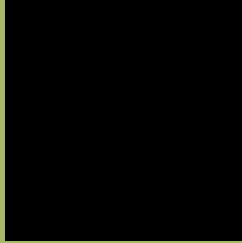
Any Text WCAG AA ✓ Pass

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 102, 185, 121 Background



This preview shows how black text looks on a background with the RYB color 102, 185, 121.



This preview shows how white text looks on a background with the RYB color 102, 185, 121.

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
102, 185, 121

Protanopia
121, 194, 99

Deuteranopia
186, 214, 106



Tritanopia
177, 175, 189

Trichromacy



Original Color
102, 185, 121

Protanomaly
105, 184, 100

Deuteranomaly
136, 197, 105

Tritanomaly
157, 179, 163

Monochromacy



Original Color
102, 185, 121

Achromatopsia
170, 170, 170

Achromatomaly
145, 175, 151

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 185, 121 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(166, 185, 102)` looks like.

```
.text, #text, p{  
    color:rgb(166, 185, 102)  
}
```

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(166, 185, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 185, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 185, 121 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(166, 185, 102) }
```

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

```
.border{ border-color:rgb(166, 185, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 185, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 185, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 185, 102);  
box-shadow:4px 4px 4px 4px rgb(166, 185,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 185, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 185, 102) }
```

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

```
.background{ background-color: rgb(166,  
185, 102) }
```

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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