

Converting Colors

`RYB(116, 193, 101)`

Have a look what the booklet for
RYB(116, 193, 101) contains.

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Color

R_YB(116, 193, 101)

Conversions

Conversions Part 1

Format	Color
Hex	C1B465
RGB	193, 180, 101
RGB Percent	76%, 71%, 40%
CMY	0.2431, 0.2937, 0.6039
CMYK	0.00, 0.07, 0.48, 0.24
HSL	52°, 43%, 58%
HSV	52°, 48%, 76%
XYZ	40.6833, 44.9611, 18.8460
YIQ	174.8810, 33.1070, -21.8130

Conversions

Conversions Part 2

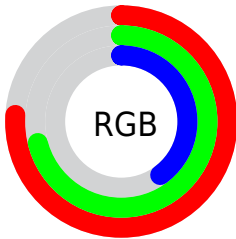
Format	Color
RYB	116, 193, 101
Decimal	12694629
CIELab	72.87, -6.23, 41.76
CIELCh	73, 42.220, 98.483
Yxy	44.9611, 0.3893, 0.4303
Android (android.graphics.Color)	4290884709 (0xFFC1B465)
YUV	174.8810, -36.4233, 15.8904
Hunter-Lab	67.0530, -9.0409, 30.2730

Details

The RYB color **116, 193, 101** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **101, 112, 193**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **171, 251, 153**, and **64, 138, 51** is the 20% darker color. If you saturate the color by 10%, you get **101, 193, 82**, and if you desaturate by 10%, it is **132, 193, 120**.

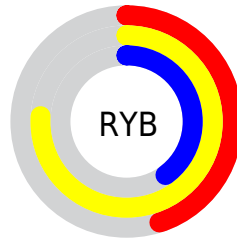
Distribution



Red (76%)

Green (71%)

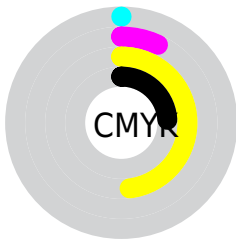
Blue (40%)



Red (45%)

Yellow (76%)

Blue (40%)

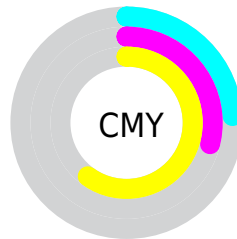


Cyan (0%)

Magenta (7%)

Yellow (48%)

Black (24%)



Cyan (24%)

Magenta (29%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 193, 101 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, 193, 101 by changing the saturation by 10% instead.

 116, 193, 101


255, 255, 255


 171, 251, 153


 181, 255, 181

 209, 255, 209

 237, 255, 237

 116, 193, 101

 90, 165, 76


 62, 138, 51

 35, 111, 26

 6, 85, 0


 4, 60, 0

 0, 35, 0

 0, 14, 14

 0, 0, 0

 116, 193, 101

 116, 193, 101

■ 101, 193, 82

■ 132, 193, 120

■ 83, 193, 62

■ 148, 193, 140

■ 67, 193, 43

■ 165, 193, 159

■ 52, 193, 24

■ 180, 193, 178

■ 34, 193, 4

■ 193, 194, 197

■ 31, 193, 0

■ 193, 196, 217

■ 193, 198, 236

■ 193, 201, 255

■ 193, 202, 255

Harmonies

Analogous

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



227, 227, 107



116, 193, 101



117, 191, 157

Triad

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



116, 193, 101



0, 105, 226



236, 152, 208

Complementary

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



116, 193, 101



101, 112, 193

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.



197, 165, 239



116, 193, 101



62, 138, 250

Square

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



116, 193, 101



30, 117, 199



139, 169, 255



253, 148, 169

Rectangle

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



116, 193, 101



119, 180, 195



139, 169, 255



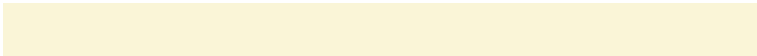
225, 156, 220

Sweetspot

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



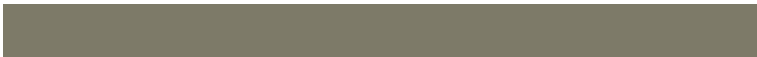
116, 193, 101



221, 250, 215



193, 101, 115



108, 125, 104



252, 252, 252



125, 125, 125

Same Dimension

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



116, 193, 101



130, 250, 107



101, 193, 133



88, 97, 87



27, 161, 0



5, 33, 0

Inverse Universe

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



101, 112, 193



107, 125, 250



133, 101, 193



87, 89, 97



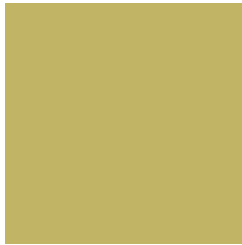
0, 20, 161



0, 4, 33

Previews

White Background



This preview shows how the RYB color 116, 193, 101 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, 193, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

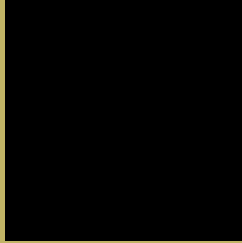
Any Text WCAG AA ✓ Pass

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, 193, 101 Background



This preview shows how black text looks on a background with the RYB color 116, 193, 101.



This preview shows how white text looks on a background with the RYB color 116, 193, 101.

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

116, 193, 101

Protanopia

122, 196, 101

Deuteranopia

182, 218, 103



Tritanopia
201, 171, 184

Trichromacy



Original Color
116, 193, 101

Protanomaly
120, 195, 101

Deuteranomaly
154, 209, 102

Tritanomaly
198, 191, 154

Monochromacy



Original Color
116, 193, 101

Achromatopsia
175, 175, 175

Achromatomaly
154, 182, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 193, 101 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(193, 180, 101)` looks like.

```
.text, #text, p{  
    color:rgb(193, 180, 101)  
}
```

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(193, 180, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 180, 101) }
```

Border

The CSS property to change the border of an element to RYB 116, 193, 101 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(193, 180, 101) }
```

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

```
.border{ border-color:rgb(193, 180, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 180, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 180, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 180, 101);  
box-shadow:4px 4px 4px 4px rgb(193, 180,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 116, 193, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 180, 101) }
```

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

```
.background{ background-color: rgb(193,  
180, 101) }
```

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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