

Converting Colors

`RYB(116, 181, 102)`

Have a look what the booklet for
RYB(116, 181, 102) contains.

RYB(116, 181, 102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(116, 181, 102)

Conversions

Conversions Part 1

Format	Color
Hex	B5A966
RGB	181, 169, 102
RGB Percent	71%, 66%, 40%
CMY	0.2902, 0.3368, 0.6000
CMYK	0.00, 0.07, 0.44, 0.29
HSL	51°, 35%, 55%
HSV	51°, 44%, 71%
XYZ	35.6623, 39.1990, 18.2569
YIQ	164.9500, 28.6590, -18.2930

Conversions

Conversions Part 2

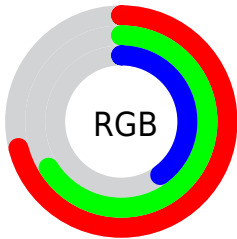
Format	Color
RYB	116, 181, 102
Decimal	11905382
CIELab	68.90, -5.30, 36.09
CIElCh	69, 36.472, 98.354
Yxy	39.1990, 0.3830, 0.4210
Android (android.graphics.Color)	4290095462 (0xFFB5A966)
YUV	164.9500, -31.0343, 14.0759
Hunter-Lab	62.6091, -7.8919, 26.5373

Details

The RYB color **116, 181, 102** is a light color, and the websafe version is hex **999966**. A complement of this color would be **102, 112, 181**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **171, 238, 154**, and **65, 127, 53** is the 20% darker color. If you saturate the color by 10%, you get **102, 181, 84**, and if you desaturate by 10%, it is **131, 181, 120**.

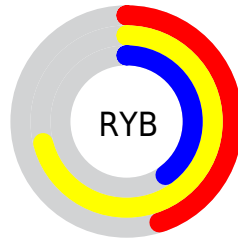
Distribution



Red (71%)

Green (66%)

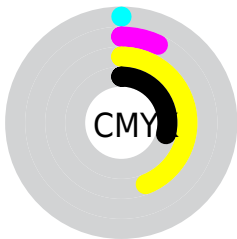
Blue (40%)



Red (45%)

Yellow (71%)

Blue (40%)

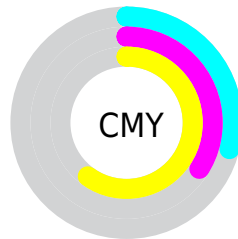


Cyan (0%)

Magenta (7%)

Yellow (44%)

Black (29%)



Cyan (29%)

Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 181, 102 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, 181, 102 by changing the saturation by 10% instead.

 116, 181, 102


255, 255, 255


 171, 238, 154

 183, 255, 181


 209, 255, 209


 238, 255, 238

 116, 181, 102

 89, 153, 77

 65, 127, 53

 37, 100, 29

 11, 75, 4

 4, 51, 0


 0, 27, 0

 0, 0, 0

 116, 181, 102

 102, 181, 84

 116, 181, 102

 131, 181, 120

86, 181, 66

145, 181, 138

72, 181, 48

161, 181, 156

57, 181, 30

175, 181, 174

42, 181, 11

181, 183, 193

32, 181, 0

181, 185, 211

181, 187, 229

181, 190, 247

181, 192, 255

Harmonies

Analogous

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



210, 208, 107



116, 181, 102



115, 178, 148

Triad

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



116, 181, 102



34, 115, 208



217, 146, 193

Complementary

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



116, 181, 102



102, 112, 181

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.



184, 156, 220



116, 181, 102



79, 139, 229

Square

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



116, 181, 102



60, 125, 186



136, 160, 233



232, 142, 160

Rectangle

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



116, 181, 102



119, 171, 182



136, 160, 233



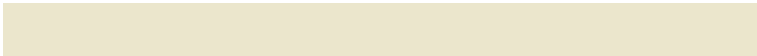
208, 149, 203

Sweetspot

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



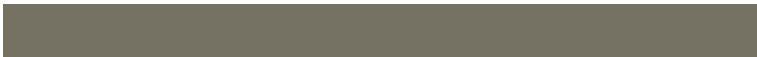
116, 181, 102



210, 235, 204



181, 102, 115



103, 117, 99



245, 245, 245



117, 117, 117

Same Dimension

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



116, 181, 102



136, 235, 113



102, 181, 128



81, 89, 80



27, 153, 0



5, 26, 0

Inverse Universe

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



102, 112, 181



113, 129, 235



128, 102, 181



80, 82, 89



0, 20, 153



0, 3, 26

Previews

White Background



This preview shows how the RYB color 116, 181, 102 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, 181, 102 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 116, 181, 102 Background



This preview shows how black text looks on a background with the RYB color 116, 181, 102.



This preview shows how white text looks on a background with the RYB color 116, 181, 102.

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](#), [181](#), [102](#)

Protanopia
[122](#), [184](#), [102](#)

Deuteranopia
[177](#), [203](#), [104](#)



Tritanopia
189, 161, 173

Trichromacy



Original Color
116, 181, 102

Protanomaly
120, 183, 102

Deuteranomaly
150, 195, 103

Tritanomaly
186, 177, 147

Monochromacy



Original Color
116, 181, 102

Achromatopsia
165, 165, 165

Achromatomaly
148, 171, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 181, 102 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(181, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(181, 169, 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(181, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 169, 102) }
```

Border

The CSS property to change the border of an element to RYB 116, 181, 102 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(181, 169, 102) }
```

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

```
.border{ border-color:rgb(181, 169, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 169, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 169, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 169, 102); box-shadow:4px 4px 4px 4px rgb(181, 169, 102) }
```

Background

The CSS property to change the background color of an element to RYB 116, 181, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 169, 102) }
```

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

```
.background{ background-color: rgb(181,  
169, 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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