

Converting Colors

`RYB(120, 183, 102)`

Have a look what the booklet for
RYB(120, 183, 102) contains.

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Color

$\text{RYB}(120, 183, 102)$

Conversions

Conversions Part 1

Format	Color
Hex	B7A866
RGB	183, 168, 102
RGB Percent	72%, 66%, 40%
CMY	0.2824, 0.3401, 0.6000
CMYK	0.00, 0.08, 0.44, 0.28
HSL	49°, 36%, 56%
HSV	49°, 44%, 72%
XYZ	35.9797, 39.1327, 18.2274
YIQ	164.9610, 30.1260, -17.3460

Conversions

Conversions Part 2

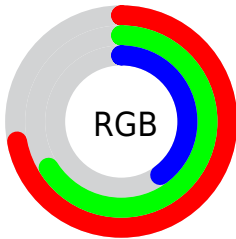
Format	Color
RYB	120, 183, 102
Decimal	12036198
CIELab	68.85, -4.03, 36.06
CIELCh	69, 36.286, 96.369
Yxy	39.1327, 0.3855, 0.4192
Android (android.graphics.Color)	4290226278 (0xFFB7A866)
YUV	164.9610, -31.0398, 15.8202
Hunter-Lab	62.5561, -6.8072, 26.5135

Details

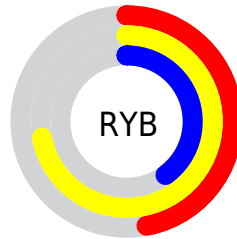
The RYB color **120, 183, 102** is a light color, and the websafe version is hex **999966**. A complement of this color would be **102, 115, 183**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **175, 240, 154**, and **67, 128, 53** is the 20% darker color. If you saturate the color by 10%, you get **106, 183, 84**, and if you desaturate by 10%, it is **133, 183, 120**.

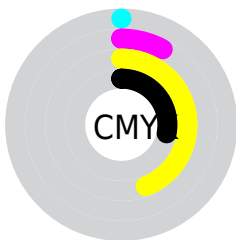
Distribution



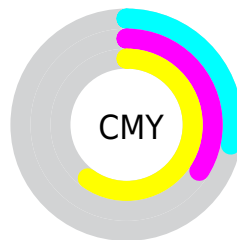
- Red (72%)
- Green (66%)
- Blue (40%)



- Red (47%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (8%)
- Yellow (44%)
- Black (28%)




- Cyan (28%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 183, 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 120, 183, 102 by changing the saturation by 10% instead.

 120, 183, 102


255, 255, 255


 175, 240, 154

 184, 255, 181


 209, 255, 209

 238, 255, 238

 120, 183, 102

 93, 155, 77

 67, 128, 53

 41, 102, 29


 13, 77, 4


 8, 53, 0

 2, 28, 0

 0, 0, 0

 120, 183, 102

 106, 183, 84

 120, 183, 102

 133, 183, 120

■ 91, 183, 65

■ 149, 183, 139

■ 78, 183, 47

■ 163, 183, 157

■ 63, 183, 29

■ 176, 183, 175

■ 49, 183, 11

■ 183, 185, 194

■ 40, 183, 0

■ 183, 187, 212

■ 183, 191, 230

■ 183, 193, 248

■ 183, 195, 255

Harmonies

Analogous

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



212, 201, 108



120, 183, 102



114, 178, 144

Triad

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



120, 183, 102



35, 115, 206



215, 147, 195

Complementary

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



120, 183, 102



102, 115, 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.



181, 157, 221



120, 183, 102



76, 137, 227

Square

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



120, 183, 102



64, 128, 186



132, 159, 233



231, 142, 162

Rectangle

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



120, 183, 102



121, 173, 182



132, 159, 233



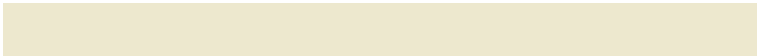
206, 150, 205

Sweetspot

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



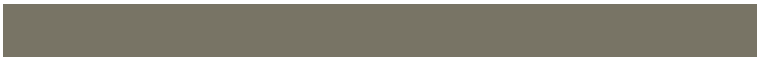
120, 183, 102



212, 237, 206



183, 102, 117



106, 120, 101



247, 247, 247



120, 120, 120

Same Dimension

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



120, 183, 102



139, 237, 111



102, 183, 128



86, 92, 83



36, 156, 0



6, 28, 0

Inverse Universe

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



102, 115, 183



111, 130, 237



128, 102, 183



83, 84, 92



0, 24, 156



0, 4, 28

Previews

White Background



This preview shows how the RYB color 120, 183, 102 looks on a white background.

Color Contrast Check

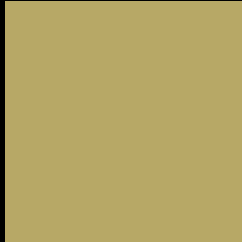
Large Text (above 18pt) WCAG AA × Fail

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 120, 183, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

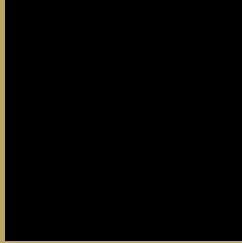
Any Text WCAG AA ✓ Pass

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](#).

RYB 120, 183, 102 Background



This preview shows how black text looks on a background with the RYB color 120, 183, 102.



This preview shows how white text looks on a background with the RYB color 120, 183, 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
[120](#), [183](#), [102](#)

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

Deuteranopia
[180](#), [203](#), [104](#)



Tritanopia
190, 160, 172

Trichromacy



Original Color
120, 183, 102

Protanomaly
122, 184, 102

Deuteranomaly
154, 196, 103

Tritanomaly
187, 174, 147

Monochromacy



Original Color
120, 183, 102

Achromatopsia
165, 165, 165

Achromatomaly
150, 172, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 183, 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(183, 168, 102)` looks like.

```
.text, #text, p{  
    color:rgb(183, 168, 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(183, 168, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 168, 102) }
```

Border

The CSS property to change the border of an element to RYB 120, 183, 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(183, 168, 102) }
```

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

```
.border{ border-color:rgb(183, 168, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 168, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 168, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 168, 102);  
box-shadow:4px 4px 4px 4px rgb(183, 168,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 120, 183, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 168, 102) }
```

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

```
.background{ background-color: rgb(183,  
168, 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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