

Converting Colors

`RYB(120, 188, 117)`

Have a look what the booklet for
RYB(120, 188, 117) contains.

RYB(120, 188, 117)	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(120, 188, 117)

Conversions

Conversions Part 1

Format	Color
Hex	BCB975
RGB	188, 185, 117
RGB Percent	74%, 73%, 46%
CMY	0.2627, 0.2740, 0.5412
CMYK	0.00, 0.02, 0.38, 0.26
HSL	58°, 35%, 60%
HSV	58°, 38%, 74%
XYZ	41.3243, 46.7246, 23.6703
YIQ	178.1450, 23.6160, -20.5120

Conversions

Conversions Part 2

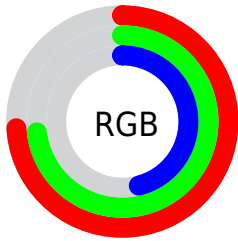
Format	Color
RYB	120, 188, 117
Decimal	12368245
CIELab	74.01, -9.20, 34.94
CIELCh	74, 36.130, 104.758
Yxy	46.7246, 0.3699, 0.4182
Android (android.graphics.Color)	4290558325 (0xFFBCB975)
YUV	178.1450, -30.1445, 8.6428
Hunter-Lab	68.3554, -11.7094, 27.3176

Details

The RYB color **120, 188, 117** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **117, 120, 188**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **174, 245, 170**, and **68, 133, 67** is the 20% darker color. If you saturate the color by 10%, you get **102, 188, 98**, and if you desaturate by 10%, it is **138, 188, 136**.

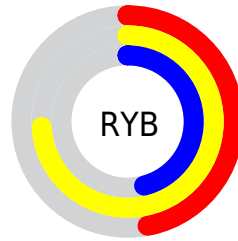
Distribution



Red (74%)

Green (73%)

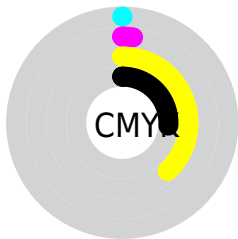
Blue (46%)



Red (47%)

Yellow (74%)

Blue (46%)

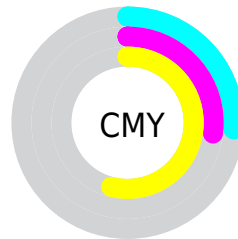


Cyan (0%)

Magenta (2%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 188, 117 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, 188, 117 by changing the saturation by 10% instead.


 120, 188, 117


255, 255, 255

 174, 245, 170


 197, 255, 197

 226, 255, 226

 120, 188, 117

 94, 160, 92

 68, 133, 67

 43, 107, 43


 20, 83, 21


 0, 60, 2

 0, 38, 4

 0, 19, 19

 0, 0, 0

 120, 188, 117

 120, 188, 117

■ 102, 188, 98

■ 138, 188, 136

■ 83, 188, 79

■ 156, 188, 155

■ 66, 188, 61

■ 174, 188, 173

■ 48, 188, 42

■ 188, 188, 192

■ 30, 188, 23

■ 188, 189, 211

■ 11, 188, 4

■ 188, 190, 230

■ 8, 188, 0

■ 188, 190, 249

■ 188, 191, 255

■ 188, 192, 255

Harmonies

Analogous

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



199, 219, 118



120, 188, 117



134, 194, 177

Triad

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



120, 188, 117



66, 138, 228



236, 159, 200

Complementary

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



120, 188, 117



117, 120, 188

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.



207, 168, 229



120, 188, 117



109, 160, 245

Square

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



120, 188, 117



72, 137, 200



162, 177, 246



248, 157, 167

Rectangle

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



120, 188, 117



124, 176, 197



162, 177, 246



228, 161, 211

Sweetspot

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



120, 188, 117



219, 245, 218



188, 117, 121



106, 122, 106



250, 250, 250



122, 122, 122

Same Dimension

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



120, 188, 117



140, 245, 135



117, 188, 149



85, 94, 85



6, 158, 0



2, 31, 0

Inverse Universe

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



117, 120, 188



135, 139, 245



149, 117, 188



85, 85, 94



0, 6, 158



0, 1, 31

Previews

White Background



This preview shows how the RYB color 120, 188, 117 looks on a white background.

Color Contrast Check

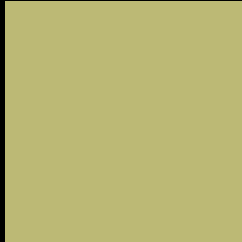
Large Text (above 18pt) WCAG AA × Fail

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, 188, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

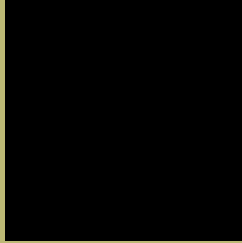
Any Text WCAG AA ✓ Pass

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, 188, 117 Background



This preview shows how black text looks on a background with the RYB color 120, 188, 117.



This preview shows how white text looks on a background with the RYB color 120, 188, 117.

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, 188, 117

Protanopia
136, 198, 116

Deuteranopia
198, 218, 119



Tritanopia
196, 176, 190

Trichromacy



Original Color
120, 188, 117

Protanomaly
129, 194, 116

Deuteranomaly
161, 207, 118

Tritanomaly
189, 193, 163

Monochromacy



Original Color
120, 188, 117

Achromatopsia
178, 178, 178

Achromatomaly
157, 182, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 188, 117 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(188, 185, 117)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 117)  
}
```

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(188, 185, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 117) }
```

Border

The CSS property to change the border of an element to RYB 120, 188, 117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

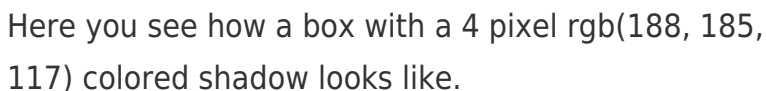
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 185, 117) }
```

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

```
.border{ border-color:rgb(188, 185, 117) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 185, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 117);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 120, 188, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 117) }
```

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

```
.background{ background-color: rgb(188,  
185, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor