

Converting Colors

`RYB(120, 189, 113)`

Have a look what the booklet for
RYB(120, 189, 113) contains.

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Color

R_YB(120, 189, 113)

Conversions

Conversions Part 1

Format	Color
Hex	BDB771
RGB	189, 183, 113
RGB Percent	74%, 72%, 44%
CMY	0.2588, 0.2840, 0.5569
CMYK	0.00, 0.03, 0.40, 0.26
HSL	55°, 37%, 59%
HSV	55°, 40%, 74%
XYZ	40.8160, 45.7093, 22.2943
YIQ	176.8140, 26.0460, -20.4980

Conversions

Conversions Part 2

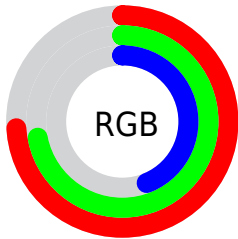
Format	Color
RYB	120, 189, 113
Decimal	12433265
CIELab	73.36, -7.93, 36.18
CIELCh	73, 37.042, 102.365
Yxy	45.7093, 0.3751, 0.4200
Android (android.graphics.Color)	4290623345 (0xFFBDB771)
YUV	176.8140, -31.4603, 10.6871
Hunter-Lab	67.6087, -10.5529, 27.7749

Details

The RYB color **120, 189, 113** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **113, 119, 189**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **174, 246, 166**, and **67, 134, 63** is the 20% darker color. If you saturate the color by 10%, you get **103, 189, 94**, and if you desaturate by 10%, it is **137, 189, 132**.

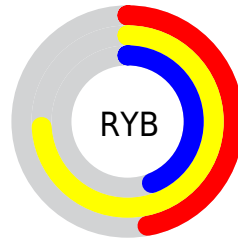
Distribution



Red (74%)

Green (72%)

Blue (44%)



Red (47%)

Yellow (74%)

Blue (44%)

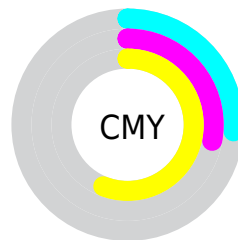


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (26%)



Cyan (26%)


Magenta (28%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 189, 113 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, 189, 113 by changing the saturation by 10% instead.

 120, 189, 113


255, 255, 255


 175, 246, 166


 193, 255, 193

 221, 255, 221

 250, 255, 250

 120, 189, 113

 93, 161, 88


 67, 134, 63

 43, 108, 40

 16, 82, 15


 0, 58, 0

 0, 37, 3

 0, 17, 17

 0, 0, 0

 120, 189, 113

 120, 189, 113

■ 103, 189, 94

■ 137, 189, 132

■ 86, 189, 75

■ 154, 189, 151

■ 68, 189, 56

■ 172, 189, 170

■ 51, 189, 37

■ 189, 189, 189

■ 33, 189, 18

■ 189, 191, 208

■ 17, 189, 0

■ 189, 192, 226

■ 189, 194, 245

■ 189, 195, 255

■ 189, 196, 255

Harmonies

Analogous

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



209, 220, 116



120, 189, 113



129, 192, 170

Triad

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



120, 189, 113



54, 132, 225



234, 157, 202

Complementary

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



120, 189, 113



113, 119, 189

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.



202, 166, 230



120, 189, 113



99, 155, 244

Square

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



120, 189, 113



67, 135, 199



155, 174, 246



247, 154, 167

Rectangle

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



120, 189, 113



124, 178, 196



155, 174, 246



225, 159, 212

Sweetspot

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



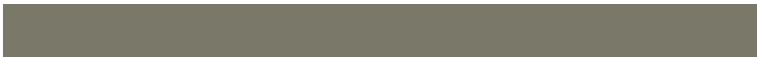
120, 189, 113



218, 245, 215



189, 113, 121



106, 122, 105



250, 250, 250



122, 122, 122

Same Dimension

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



120, 189, 113



138, 245, 127



113, 189, 143



85, 94, 85



14, 158, 0



3, 31, 0

Inverse Universe

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



113, 119, 189



127, 136, 245



143, 113, 189



85, 86, 94



0, 12, 158



0, 3, 31

Previews

White Background



This preview shows how the RYB color 120, 189, 113 looks on a white background.

Color Contrast Check

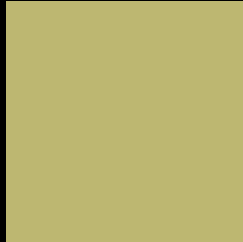
Large Text (above 18pt) WCAG AA × Fail

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, 189, 113 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, 189, 113 Background



This preview shows how black text looks on a background with the RYB color 120, 189, 113.



This preview shows how white text looks on a background with the RYB color 120, 189, 113.

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, 189, 113

Protanopia
132, 196, 112

Deuteranopia
196, 217, 115



Tritanopia
197, 174, 187

Trichromacy



Original Color
120, 189, 113

Protanomaly
126, 193, 112

Deuteranomaly
161, 207, 114

Tritanomaly
194, 194, 160

Monochromacy



Original Color
120, 189, 113

Achromatopsia
177, 177, 177

Achromatomaly
156, 181, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 189, 113 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(189, 183, 113)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 113)  
}
```

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(189, 183, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 113) }
```

Border

The CSS property to change the border of an element to RYB 120, 189, 113 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(189, 183, 113) }
```

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

```
.border{ border-color:rgb(189, 183, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 113);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 120, 189, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 113) }
```

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

```
.background{ background-color: rgb(189,  
183, 113) }
```

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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