

Converting Colors

`RYB(120, 189, 100)`

Have a look what the booklet for
RYB(120, 189, 100) contains.

RYB(120, 189, 100)	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, 189, 100)

Conversions

Conversions Part 1

Format	Color
Hex	BDAD64
RGB	189, 173, 100
RGB Percent	74%, 68%, 39%
CMY	0.2588, 0.3229, 0.6078
CMYK	0.00, 0.09, 0.47, 0.26
HSL	49°, 40%, 57%
HSV	49°, 47%, 74%
XYZ	38.1668, 41.4995, 18.0552
YIQ	169.4620, 32.9690, -19.3110

Conversions

Conversions Part 2

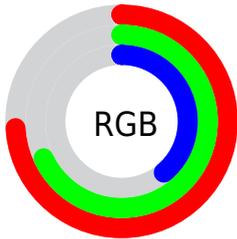
Format	Color
RYB	120, 189, 100
Decimal	12430692
CIELab	70.52, -4.07, 39.30
CIELCh	71, 39.512, 95.912
Yxy	41.4995, 0.3906, 0.4247
Android (android.graphics.Color)	4290620772 (0xFFBDAD64)
YUV	169.4620, -34.2448, 17.1348
Hunter-Lab	64.4201, -6.9798, 28.4767

Details

The RYB color **120, 189, 100** is a light color, and the websafe version is hex **999966**. A complement of this color would be **100, 114, 189**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **176, 247, 152**, and **66, 134, 51** is the 20% darker color. If you saturate the color by 10%, you get **106, 189, 81**, and if you desaturate by 10%, it is **135, 189, 119**.

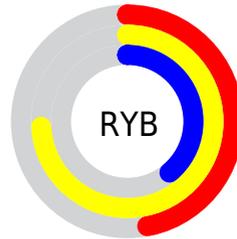
Distribution



Red (74%)

Green (68%)

Blue (39%)



Red (47%)

Yellow (74%)

Blue (39%)

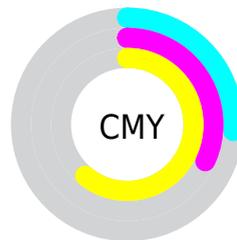


Cyan (0%)

Magenta (9%)

Yellow (47%)

Black (26%)



Cyan (26%)

Magenta (32%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 189, 100 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, 100 by changing the saturation by 10% instead.

 120, 189, 100

255, 255, 255

 176, 247, 152

 179, 255, 179

 207, 255, 207

 236, 255, 236

 120, 189, 100

 93, 161, 75

 66, 134, 51

 39, 107, 26

 10, 81, 0

 8, 57, 0

 3, 32, 0

 0, 4, 4

 0, 0, 0

 120, 189, 100

 120, 189, 100

■ 106, 189, 81

■ 135, 189, 119

■ 90, 189, 62

■ 149, 189, 138

■ 76, 189, 43

■ 164, 189, 157

■ 61, 189, 24

■ 178, 189, 176

■ 47, 189, 5

■ 189, 190, 195

■ 43, 189, 0

■ 189, 192, 213

■ 189, 196, 232

■ 189, 198, 251

■ 189, 201, 255

Harmonies

Analogous

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



220, 207, 107



120, 189, 100



113, 183, 145

Triad

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



120, 189, 100



0, 100, 213



224, 149, 203

Complementary

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



120, 189, 100



100, 114, 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.



186, 161, 231



120, 189, 100



63, 134, 237

Square

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



120, 189, 100



51, 125, 192



131, 162, 244



241, 144, 167

Rectangle

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



120, 189, 100



122, 179, 187



131, 162, 244



213, 152, 213

Sweetspot

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



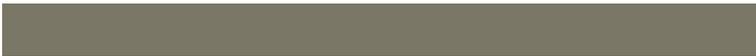
120, 189, 100



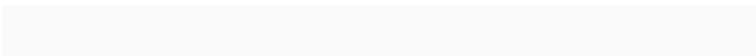
218, 245, 211



189, 100, 118



106, 122, 102



250, 250, 250



122, 122, 122

Same Dimension

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



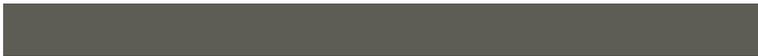
120, 189, 100



137, 245, 105



100, 189, 127



86, 94, 85



36, 158, 0



7, 31, 0

Inverse Universe

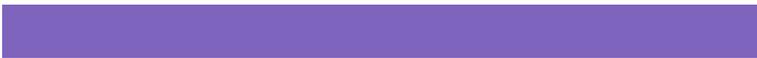
The Inverse Universe completely reimagines the original color for something new.



100, 114, 189



105, 127, 245



127, 100, 189



85, 87, 94



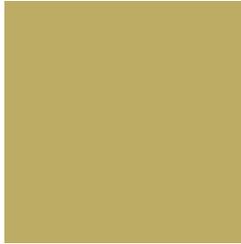
0, 25, 158



0, 5, 31

Previews

White Background



This preview shows how the RYB color 120, 189, 100 looks on a white background.

Color Contrast Check

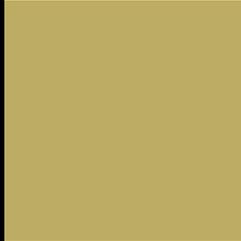
Large Text (above 18pt) WCAG AA × Fail

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, 100 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

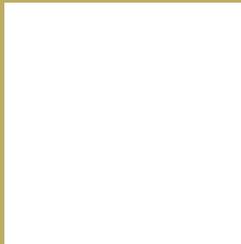
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYP 120, 189, 100 Background



This preview shows how black text looks on a background with the RYB color 120, 189, 100.



This preview shows how white text looks on a background with the RYB color 120, 189, 100.

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, 100

Protanopia

120, 189, 100

Deuteranopia

179, 210, 102



Tritanopia
197, 164, 176

Trichromacy



Original Color
120, 189, 100

Protanomaly
120, 189, 100

Deuteranomaly
152, 202, 101

Tritanomaly
194, 180, 148

Monochromacy



Original Color
120, 189, 100

Achromatopsia
169, 169, 169

Achromatomaly
151, 176, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 189, 100 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, 173, 100)` looks like.

```
.text, #text, p{  
    color:rgb(189, 173, 100)  
}
```

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, 173, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 173, 100) }
```

Border

The CSS property to change the border of an element to RYB 120, 189, 100 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, 173, 100) }
```

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

```
.border{ border-color:rgb(189, 173, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 173, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 173, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 173, 100);  
box-shadow:4px 4px 4px 4px rgb(189, 173,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 120, 189, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 173, 100) }
```

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

```
.background{ background-color: rgb(189,  
173, 100) }
```

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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