

Converting Colors

`RYB(166, 189, 147)`

Have a look what the booklet for
RYB(166, 189, 147) contains.

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Color

R_YB(166, 189, 147)

Conversions

Conversions Part 1

Format	Color
Hex	BDB093
RGB	189, 176, 147
RGB Percent	74%, 69%, 58%
CMY	0.2588, 0.3101, 0.4235
CMYK	0.00, 0.07, 0.22, 0.26
HSL	41°, 24%, 66%
HSV	41°, 22%, 74%
XYZ	41.7620, 43.9439, 33.8847
YIQ	176.5810, 17.0570, -6.2630

Conversions

Conversions Part 2

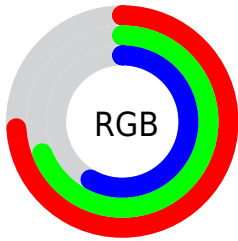
Format	Color
RYB	166, 189, 147
Decimal	12431507
CIELab	72.19, -0.02, 16.52
CIELCh	72, 16.521, 90.057
Yxy	43.9439, 0.3492, 0.3675
Android (android.graphics.Color)	4290621587 (0xFFBDB093)
YUV	176.5810, -14.5834, 10.8915
Hunter-Lab	66.2902, -3.5552, 16.0967

Details

The RYB color **166, 189, 147** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **147, 157, 189**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **221, 246, 201**, and **111, 135, 96** is the 20% darker color. If you saturate the color by 10%, you get **156, 189, 128**, and if you desaturate by 10%, it is **176, 189, 166**.

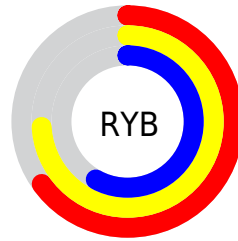
Distribution



Red (74%)

Green (69%)

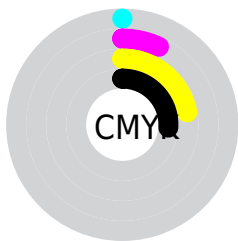
Blue (58%)



Red (65%)

Yellow (74%)

Blue (58%)

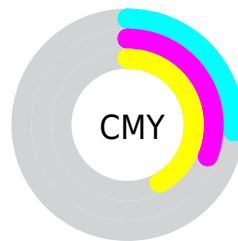


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 189, 147 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 166, 189, 147 by changing the saturation by 10% instead.

 166, 189, 147


255, 255, 255

 224, 246, 201

 229, 255, 229

 166, 189, 147

 140, 162, 121

 111, 135, 96

 87, 110, 72

 64, 85, 50

 40, 61, 28

 14, 39, 4

 6, 12, 0

 0, 0, 0

 166, 189, 147


 166, 189, 147

 156, 189, 128


 176, 189, 166

 145, 189, 109


 186, 189, 185

 135, 189, 90

 189, 193, 204

 125, 189, 71

 189, 197, 223

 115, 189, 52


 189, 201, 242

 104, 189, 34

 189, 206, 255

 93, 189, 15

 189, 209, 255

 86, 189, 0

 189, 211, 255

 189, 214, 255

Harmonies

Analogous

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



202, 184, 151



166, 189, 147



151, 181, 160

Triad

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



166, 189, 147



137, 162, 191



197, 169, 192

Complementary

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



166, 189, 147



147, 157, 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.



180, 173, 203



166, 189, 147



144, 167, 203

Square

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



166, 189, 147



142, 167, 186



160, 173, 207



207, 167, 177

Rectangle

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



166, 189, 147



157, 183, 179



160, 173, 207



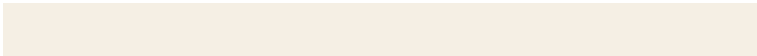
192, 170, 196

Sweetspot

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



166, 189, 147



237, 245, 228



189, 147, 160



118, 122, 113



250, 250, 250



122, 122, 122

Same Dimension

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



166, 189, 147



210, 245, 179



147, 189, 155



90, 94, 85



71, 158, 0



15, 31, 0

Inverse Universe

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



147, 157, 189



179, 194, 245



155, 147, 189



85, 87, 94



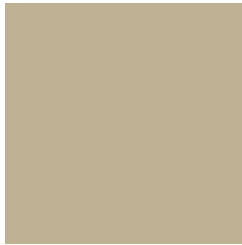
0, 37, 158



0, 8, 31

Previews

White Background



This preview shows how the RYB color 166, 139, 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 166, 189, 147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

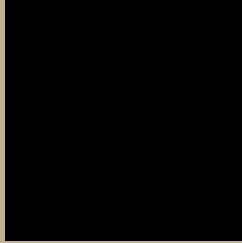
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

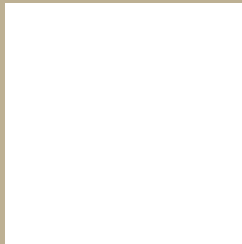
Any Text WCAG AAA ✓ Pass

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

RYB 166, 189, 147 Background



This preview shows how black text looks on a background with the RYB color 166, 189, 147.



This preview shows how white text looks on a background with the RYB color 166, 189, 147.

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
166, 189, 147

Protanopia
160, 187, 147

Deuteranopia
204, 184, 148



Tritanopia
194, 171, 184

Trichromacy



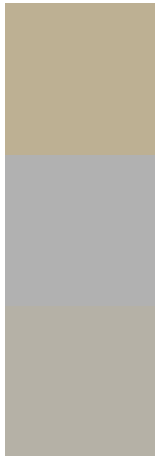
Original Color
166, 189, 147

Protanomaly
162, 188, 147

Deuteranomaly
199, 193, 148

Tritanomaly
192, 173, 171

Monochromacy



Original Color
166, 189, 147

Achromatopsia
177, 177, 177

Achromatomaly
171, 181, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 189, 147 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, 176, 147) looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 147)  
}
```

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, 176, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 147) }
```

Border

The CSS property to change the border of an element to RYB 166, 189, 147 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, 176, 147) }
```

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

```
.border{ border-color:rgb(189, 176, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 147);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
147) }
```

Background

The CSS property to change the background color of an element to RYB 166, 189, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 147) }
```

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

```
.background{ background-color: rgb(189,  
176, 147) }
```

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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