

Converting Colors

`RYB(170, 189, 128)`

Have a look what the booklet for
RYB(170, 189, 128) contains.

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Color

R_YB(170, 189, 128)

Conversions

Conversions Part 1

Format	Color
Hex	BDA480
RGB	189, 164, 128
RGB Percent	74%, 64%, 50%
CMY	0.2588, 0.3564, 0.4980
CMYK	0.00, 0.13, 0.32, 0.26
HSL	36°, 32%, 62%
HSV	36°, 32%, 74%
XYZ	38.1806, 38.9734, 25.9324
YIQ	167.3710, 26.4560, -5.8960

Conversions

Conversions Part 2

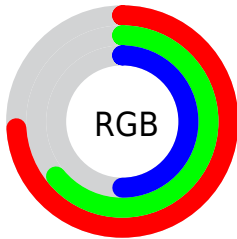
Format	Color
RYB	170, 189, 128
Decimal	12428416
CIELab	68.73, 3.70, 22.12
CIElCh	69, 22.425, 80.501
Yxy	38.9734, 0.3704, 0.3781
Android (android.graphics.Color)	4290618496 (0xFFBDA480)
YUV	167.3710, -19.4099, 18.9686
Hunter-Lab	62.4287, -0.0819, 19.0715

Details

The RYB color **170, 189, 128** is a light color, and the websafe version is hex **999966**. A complement of this color would be **128, 146, 189**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **227, 246, 181**, and **118, 135, 79** is the 20% darker color. If you saturate the color by 10%, you get **165, 189, 109**, and if you desaturate by 10%, it is **176, 189, 147**.

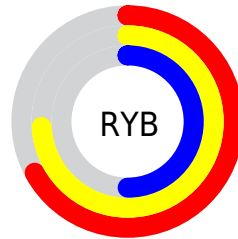
Distribution



Red (74%)

Green (64%)

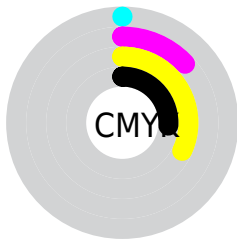
Blue (50%)



Red (67%)

Yellow (74%)

Blue (50%)

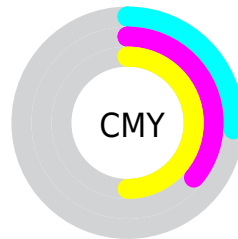


Cyan (0%)

Magenta (13%)

Yellow (32%)

Black (26%)



Cyan (26%)


Magenta (36%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 189, 128 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 170, 189, 128 by changing the saturation by 10% instead.


 170, 189, 128


255, 255, 255

 227, 246, 181


 217, 255, 209

 237, 255, 237

 170, 189, 128

 141, 161, 103

 118, 135, 79

 89, 109, 55

 61, 83, 33


 36, 59, 12


 25, 37, 0

 0, 0, 0

 170, 189, 128

 165, 189, 109

 170, 189, 128

 176, 189, 147

■ 157, 189, 90

■ 181, 189, 166

■ 152, 189, 71

■ 189, 189, 185

■ 147, 189, 52

■ 189, 193, 204

■ 139, 189, 33

■ 189, 199, 223

■ 135, 189, 15

■ 189, 204, 241

■ 130, 189, 0

■ 189, 209, 255

■ 189, 213, 255

■ 189, 215, 255

Harmonies

Analogous

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



204, 168, 137



170, 189, 128



130, 171, 133

Triad

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



170, 189, 128



111, 145, 181



188, 158, 194

Complementary

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



170, 189, 128



128, 146, 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.



163, 165, 205



170, 189, 128



115, 150, 198

Square

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



170, 189, 128



124, 157, 179



135, 159, 207



204, 154, 175

Rectangle

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



170, 189, 128



136, 174, 157



135, 159, 207



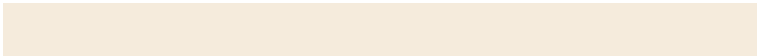
180, 160, 199

Sweetspot

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



170, 189, 128



237, 245, 220



189, 128, 153



119, 122, 108



250, 250, 250



122, 122, 122

Same Dimension

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



170, 189, 128



215, 245, 149



128, 189, 133



90, 94, 85



108, 158, 0



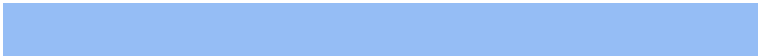
22, 31, 0

Inverse Universe

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



128, 146, 189



149, 177, 245



133, 128, 189



85, 88, 94



0, 46, 158



0, 9, 31

Previews

White Background



This preview shows how the RYB color 170, 189, 128 looks on a white background.

Color Contrast Check

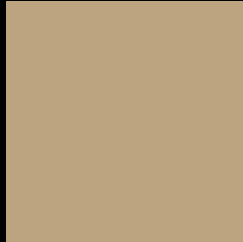
Large Text (above 18pt) WCAG AA × Fail

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 170, 189, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

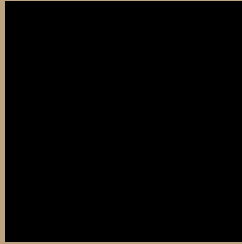
Any Text WCAG AA ✓ Pass

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 170, 189, 128 Background



This preview shows how black text looks on a background with the RYB color 170, 189, 128.



This preview shows how white text looks on a background with the RYB color 170, 189, 128.

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
170, 189, 128

Protanopia
144, 179, 130

Deuteranopia
197, 189, 129



Tritanopia
194, 158, 171

Trichromacy



Original Color

170, 189, 128

Protanomaly

152, 183, 129

Deuteranomaly

192, 194, 129

Tritanomaly

192, 161, 155

Monochromacy



Original Color

170, 189, 128

Achromatopsia

167, 167, 167

Achromatomaly

168, 175, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 189, 128 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, 164, 128)` looks like.

```
.text, #text, p{  
    color:rgb(189, 164, 128)  
}
```

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, 164, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 164, 128) }
```

Border

The CSS property to change the border of an element to RYB 170, 189, 128 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, 164, 128) }
```

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

```
.border{ border-color:rgb(189, 164, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 164, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 164, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 164, 128);  
box-shadow:4px 4px 4px 4px rgb(189, 164,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 170, 189, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 164, 128) }
```

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

```
.background{ background-color: rgb(189,  
164, 128) }
```

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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