

Converting Colors

RGB(48, 176, 128)

Have a look what the booklet for
RGB(48, 176, 128) contains.

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Color

RGB(48, 176, 128)

Conversions

Conversions Part 1

Format	Color
Hex	30B080
RGB	48, 176, 128
RGB Percent	19%, 69%, 50%
CMY	0.8118, 0.3098, 0.4980
CMYK	0.73, 0.00, 0.27, 0.31
HSL	158°, 57%, 44%
HSV	158°, 73%, 69%
XYZ	20.6405, 33.2376, 25.7497
YIQ	132.2560, -60.8800, -42.0640

Conversions

Conversions Part 2

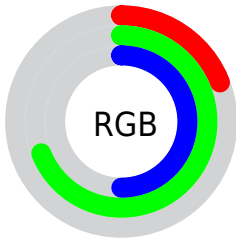
Format	Color
RYB	48, 127, 176
Decimal	3190912
CIELab	64.35, -45.81, 14.86
CIElCh	64, 48.161, 162.030
Yxy	33.2376, 0.2592, 0.4174
Android (android.graphics.Color)	4281380992 (0xFF30B080)
YUV	132.2560, -2.0982, -73.8925
Hunter-Lab	57.6520, -36.9846, 13.8751

Details

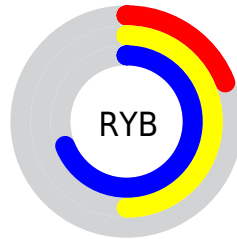
The RGB color **48, 176, 128** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **176, 48, 96**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **112, 232, 181**, and **0, 122, 79** is the 20% darker color. If you saturate the color by 10%, you get **30, 176, 121**, and if you desaturate by 10%, it is **66, 176, 135**.

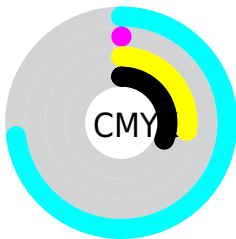
Distribution



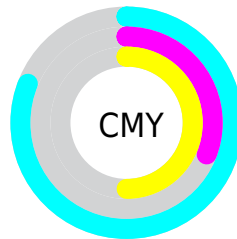
- Red (19%)
- Green (69%)
- Blue (50%)



- Red (19%)
- Yellow (50%)
- Blue (69%)



- Cyan (73%)
- Magenta (0%)
- Yellow (27%)
- Black (31%)



- Cyan (81%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RGB color 48, 176, 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 RGB color 48, 176, 128 by changing the saturation by 10% instead.



48, 176, 128



48, 176, 128

255, 255, 255



0, 149, 103



112, 232, 181



0, 122, 79



141, 255, 209



0, 97, 56



171, 255, 237



0, 72, 34



200, 255, 255



0, 48, 13



230, 255, 255



0, 24, 0



0, 0, 0



48, 176, 128



48, 176, 128



30, 176, 121



66, 176, 135

■ 13, 176, 115

■ 83, 176, 141

■ 0, 176, 110

■ 101, 176, 148

■ 118, 176, 154

■ 136, 176, 161

■ 154, 176, 168

■ 171, 176, 174

■ 189, 176, 181

■ 206, 176, 187

Harmonies

Analogous

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



117, 170, 90



48, 176, 128



0, 178, 173

Triad

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



48, 176, 128



115, 155, 240



229, 129, 100

Complementary

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



48, 176, 128



176, 48, 96

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.



237, 120, 140



48, 176, 128



182, 138, 220

Square

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



48, 176, 128



0, 168, 237



222, 123, 184



203, 144, 73

Rectangle

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



48, 176, 128



0, 177, 200



222, 123, 184



234, 125, 113

Sweetspot

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



48, 176, 128



179, 230, 211



97, 176, 48



85, 115, 104



242, 242, 242



115, 115, 115

Same Dimension

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



48, 176, 128



30, 230, 155



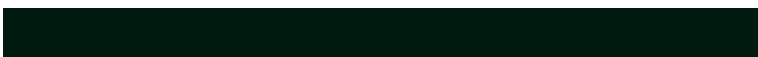
48, 161, 176



80, 89, 86



0, 153, 96



0, 26, 16

Inverse Universe

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



176, 48, 96



230, 30, 105



176, 63, 48



89, 80, 84



153, 0, 57



26, 0, 10

Previews

White Background



This preview shows how the RGB color 48, 176, 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 RGB color 48, 176, 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](#).

RGB 48, 176, 128 Background



This preview shows how black text looks on a background with the RGB color 48, 176, 128.

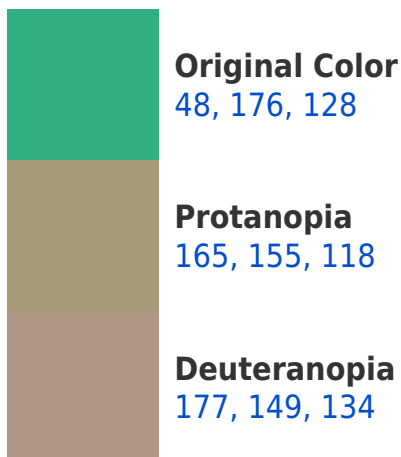


This preview shows how white text looks on a background with the RGB color 48, 176, 128.

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





Tritanopia
73, 169, 183

Trichromacy



Original Color

48, 176, 128



Protanomaly

122, 163, 122



Deuteranomaly

130, 159, 132



Tritanomaly

64, 172, 163

Monochromacy



Original Color

48, 176, 128



Achromatopsia

132, 132, 132



Achromatomaly

101, 148, 131

CSS Examples

Text

The CSS property to change the color of the text to RGB 48, 176, 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(48, 176, 128)` looks like.

```
.text, #text, p{  
    color:rgb(48, 176, 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(48, 176, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 176, 128) }
```

Border

The CSS property to change the border of an element to RGB 48, 176, 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(48, 176, 128) }
```

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

```
.border{ border-color:rgb(48, 176, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 176, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 176, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 176, 128);  
box-shadow:4px 4px 4px 4px rgb(48, 176,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 48, 176, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 176, 128) }
```

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

```
.background{ background-color: rgb(48, 176,  
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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