

Converting Colors

RGB(49, 189, 128)

Have a look what the booklet for
RGB(49, 189, 128) contains.

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Color

RGB(49, 189, 128)

Conversions

Conversions Part 1

Format	Color
Hex	31BD80
RGB	49, 189, 128
RGB Percent	19%, 74%, 50%
CMY	0.8078, 0.2588, 0.4980
CMYK	0.74, 0.00, 0.32, 0.26
HSL	154°, 59%, 47%
HSV	154°, 74%, 74%
XYZ	23.3605, 38.6067, 26.6427
YIQ	140.1860, -63.8590, -48.6510

Conversions

Conversions Part 2

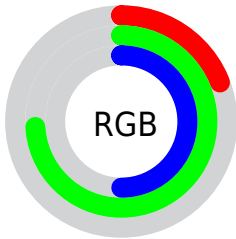
Format	Color
RYB	49, 138, 189
Decimal	3259776
CIELab	68.47, -50.88, 20.54
CIELCh	68, 54.866, 158.019
Yxy	38.6067, 0.2636, 0.4357
Android (android.graphics.Color)	4281449856 (0xFF31BD80)
YUV	140.1860, -6.0077, -79.9701
Hunter-Lab	62.1343, -41.6247, 18.0709

Details

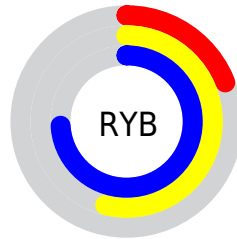
The RGB color **49, 189, 128** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **189, 49, 110**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **115, 246, 181**, and **0, 134, 78** is the 20% darker color. If you saturate the color by 10%, you get **30, 189, 120**, and if you desaturate by 10%, it is **68, 189, 136**.

Distribution



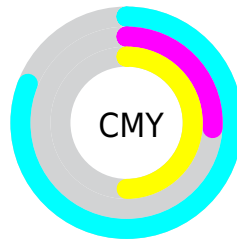
- Red (19%)
- Green (74%)
- Blue (50%)



- Red (19%)
- Yellow (54%)
- Blue (74%)



- Cyan (74%)
- Magenta (0%)
- Yellow (32%)
- Black (26%)



- Cyan (81%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 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 RGB color 49, 189, 128 by changing the saturation by 10% instead.



49, 189, 128



49, 189, 128

255, 255, 255



0, 161, 103



115, 246, 181



0, 134, 78



145, 255, 209



0, 108, 55



175, 255, 237



0, 83, 33



205, 255, 255



0, 58, 11



235, 255, 255



0, 36, 0



0, 0, 0



49, 189, 128



49, 189, 128



30, 189, 120



68, 189, 136

■ 11, 189, 112

■ 87, 189, 144

■ 0, 189, 107

■ 106, 189, 153

■ 125, 189, 161

■ 144, 189, 169

■ 162, 189, 177

■ 181, 189, 186

■ 200, 189, 194

■ 219, 189, 202

Harmonies

Analogous

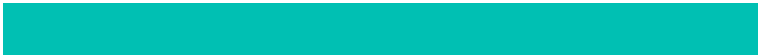
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



130, 181, 85



49, 189, 128



0, 192, 179

Triad

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



49, 189, 128



101, 168, 255



252, 133, 108

Complementary

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



49, 189, 128



189, 49, 110

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.



255, 123, 156



49, 189, 128



188, 148, 245

Square

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



49, 189, 128



0, 182, 255



238, 130, 205



225, 151, 74

Rectangle

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



49, 189, 128



0, 191, 212



238, 130, 205



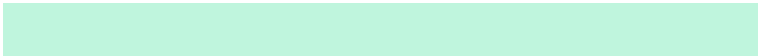
255, 128, 123

Sweetspot

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



49, 189, 128



191, 245, 221



112, 189, 49



91, 122, 109



250, 250, 250



122, 122, 122

Same Dimension

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



49, 189, 128



27, 245, 150



49, 182, 189



85, 94, 90



0, 158, 89



0, 31, 17

Inverse Universe

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



189, 49, 110



245, 27, 122



189, 56, 49



94, 85, 89



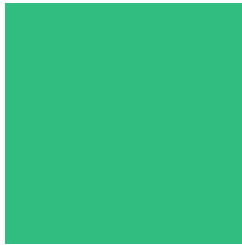
158, 0, 69



31, 0, 13

Previews

White Background



This preview shows how the RGB color 49, 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 RGB color 49, 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](#).

RGB 49, 189, 128 Background



This preview shows how black text looks on a background with the RGB color 49, 189, 128.

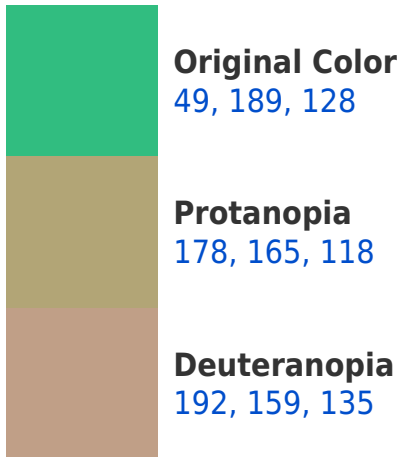


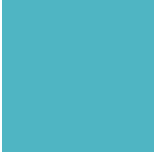
This preview shows how white text looks on a background with the RGB color 49, 189, 128.

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





Tritanopia
79, 181, 195

Trichromacy



Original Color

49, 189, 128



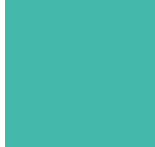
Protanomaly

131, 174, 122



Deuteranomaly

140, 170, 132



Tritanomaly

68, 184, 171

Monochromacy



Original Color

49, 189, 128



Achromatopsia

140, 140, 140



Achromatomaly

107, 158, 136

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 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(49, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(49, 189, 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(49, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 189, 128) }
```

Border

The CSS property to change the border of an element to RGB 49, 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(49, 189, 128) }
```

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

```
.border{ border-color:rgb(49, 189, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(49, 189,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 49, 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(49, 189, 128) }
```

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

```
.background{ background-color: rgb(49, 189,  
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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