

Converting Colors

RGB(49, 206, 114)

Have a look what the booklet for
RGB(49, 206, 114) contains.

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Color

RGB(49, 206, 114)

Conversions

Conversions Part 1

Format	Color
Hex	31CE72
RGB	49, 206, 114
RGB Percent	19%, 81%, 45%
CMY	0.8078, 0.1922, 0.5529
CMYK	0.76, 0.00, 0.45, 0.19
HSL	145°, 62%, 50%
HSV	145°, 76%, 81%
XYZ	26.3752, 46.0105, 23.4104
YIQ	148.5690, -64.0400, -61.8960

Conversions

Conversions Part 2

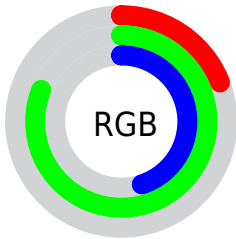
Format	Color
RYB	49, 160, 206
Decimal	3264114
CIELab	73.55, -59.87, 34.59
CIELCh	74, 69.144, 149.987
Yxy	46.0105, 0.2753, 0.4803
Android (android.graphics.Color)	4281454194 (0xFF31CE72)
YUV	148.5690, -17.0425, -87.3220
Hunter-Lab	67.8310, -49.2970, 27.0191

Details

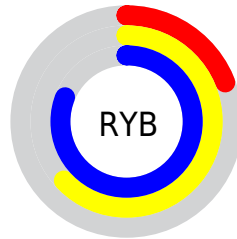
The RGB color **49, 206, 114** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **206, 49, 141**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **119, 255, 167**, and **0, 150, 64** is the 20% darker color. If you saturate the color by 10%, you get **28, 206, 102**, and if you desaturate by 10%, it is **70, 206, 126**.

Distribution



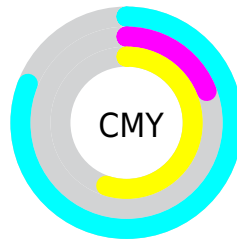
- Red (19%)
- Green (81%)
- Blue (45%)



- Red (19%)
- Yellow (63%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (45%)
- Black (19%)



- Cyan (81%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RGB color 49, 206, 114 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, 206, 114 by changing the saturation by 10% instead.



49, 206, 114



49, 206, 114

255, 255, 255



0, 178, 89



119, 255, 167



0, 150, 64



149, 255, 195



0, 123, 40



180, 255, 223



0, 97, 14



210, 255, 252



0, 72, 0



241, 255, 255



0, 49, 0



0, 21, 0



0, 0, 0



49, 206, 114



49, 206, 114

■ 28, 206, 102

■ 70, 206, 126

■ 8, 206, 90

■ 90, 206, 138

■ 0, 206, 85

■ 111, 206, 150

■ 131, 206, 162

■ 152, 206, 174

■ 173, 206, 186

■ 193, 206, 198

■ 214, 206, 211

■ 234, 206, 223

Harmonies

Analogous

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



150, 195, 61



49, 206, 114



0, 211, 179

Triad

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



49, 206, 114



0, 188, 255



255, 129, 121

Complementary

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



49, 206, 114



206, 49, 141

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, 120, 183



49, 206, 114



180, 164, 255

Square

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



49, 206, 114



0, 203, 255



255, 136, 245



255, 153, 69

Rectangle

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



49, 206, 114



0, 211, 222



255, 136, 245



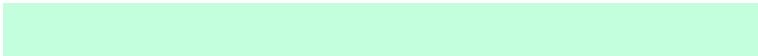
255, 124, 141

Sweetspot

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



49, 206, 114



196, 255, 221



143, 206, 49



92, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



49, 206, 114



23, 255, 119



49, 206, 190



92, 102, 96



0, 166, 69



0, 38, 16

Inverse Universe

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



206, 49, 141



255, 23, 159



206, 49, 65



102, 92, 98



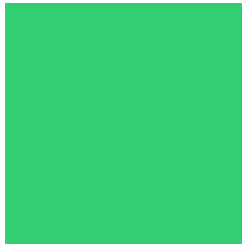
166, 0, 97



38, 0, 22

Previews

White Background



This preview shows how the RGB color 49, 206, 114 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, 206, 114 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, 206, 114 Background



This preview shows how black text looks on a background with the RGB color 49, 206, 114.

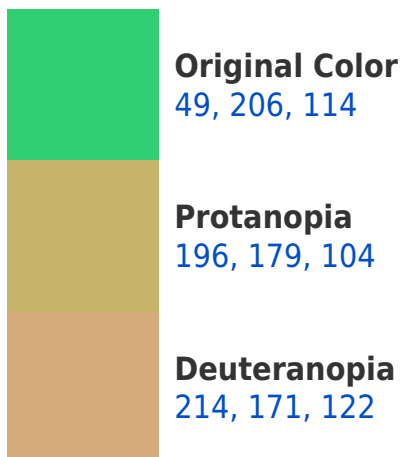


This preview shows how white text looks on a background with the RGB color 49, 206, 114.

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
89, 195, 211

Trichromacy



Original Color

49, 206, 114



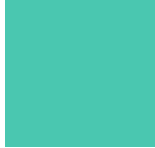
Protanomaly

143, 189, 108



Deuteranomaly

154, 184, 119



Tritanomaly

74, 199, 176

Monochromacy



Original Color

49, 206, 114



Achromatopsia

149, 149, 149



Achromatomaly

113, 170, 136

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 206, 114 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, 206, 114)` looks like.

```
.text, #text, p{  
    color:rgb(49, 206, 114)  
}
```

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, 206, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 206, 114) }
```

Border

The CSS property to change the border of an element to RGB 49, 206, 114 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, 206, 114) }
```

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

```
.border{ border-color:rgb(49, 206, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 206, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 206, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 206, 114);  
box-shadow:4px 4px 4px 4px rgb(49, 206,  
114) }
```

Background

The CSS property to change the background color of an element to RGB 49, 206, 114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 206, 114) }
```

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

```
.background{ background-color: rgb(49, 206,  
114) }
```

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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