

# Converting Colors

Hex(49D048)

Have a look what the booklet for  
Hex(49D048) contains.

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**Color**

**Hex(49D048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49D048
RGB	73, 208, 72
RGB Percent	29%, 82%, 28%
CMY	0.7137, 0.1843, 0.7176
CMYK	0.65, 0.00, 0.65, 0.18
HSL	120°, 59%, 55%
HSV	120°, 65%, 82%
XYZ	26.4732, 46.9961, 13.8068
YIQ	152.1310, -36.8040, -70.9160

# Conversions

## Conversions Part 2

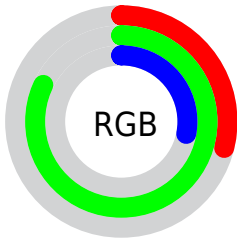
Format	Color
<a href="#">RYB</a>	<a href="#">72, 208, 207</a>
Decimal	<a href="#">4837448</a>
CIELab	<a href="#">74.19, -62.21, 55.02</a>
CIELCh	<a href="#">74, 83.045, 138.510</a>
Yxy	<a href="#">46.9961, 0.3033, 0.5385</a>
Android (android.graphics.Color)	<a href="#">4283027528 (0xFF49D048)</a>
YUV	<a href="#">152.1310, -39.5046, -69.3979</a>
Hunter-Lab	<a href="#">68.5537, -51.0380, 36.0465</a>

# Details

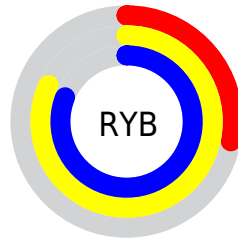
The Hex color **49D048** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **CF48D0**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **89FF7E**, and **009807** is the 20% darker color. If you saturate the color by 10%, you get **34D033**, and if you desaturate by 10%, it is **5ED05D**.

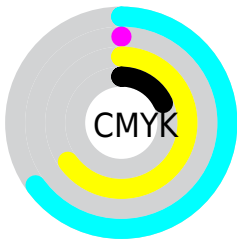
# Distribution



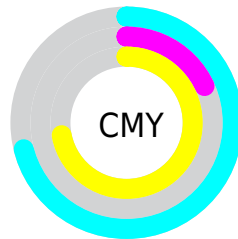
- Red (29%)
- Green (82%)
- Blue (28%)



- Red (28%)
- Yellow (82%)
- Blue (81%)



- Cyan (65%)
- Magenta (0%)
- Yellow (65%)
- Black (18%)



- Cyan (71%)
- Magenta (18%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49D048 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 Hex color 49D048 by changing the saturation by 10% instead.



 49D048

 49D048

FFFFFF

 20B42C

 89FF7E

 009807

 A7FF99

 007D00

 C5FFB5

 006300

 E3FFD2

 004A00

 FFFFEF

 003300

 001700

 000000

 49D048

 49D048

 34D033

 5ED05D

 20D01E

 72D072

 0BD00A

 87D086

 02D000

 9CD09B

 B0D0B0

 C5D0C5

 DAD0DA

 EED0EE

 FFD0FF

# Harmonies

## Analogous

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



ADC100



49D048



00D795

# Triad

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



49D048



00C8FF



FF698B

# Complementary

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



49D048



CF48D0

# Split Complementary

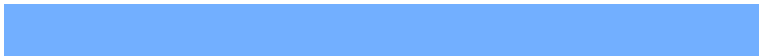
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF6AD7



49D048



72AFFF

# Square

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



49D048



00D5FF



F48BFF



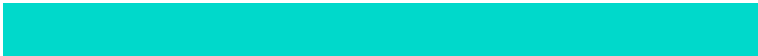
FF8744

# Rectangle

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



49D048



00D9CB



F48BFF



FF65A4

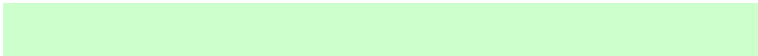


# Sweetspot

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



49D048



CCFFCC



D0CE48



618061



000000



808080



# Same Dimension

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



49D048



3AFF38



48D08A



5E695E



01A800



002900



# Inverse Universe

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



CF48D0



FE38FF



D0488E



685E69



A700A8

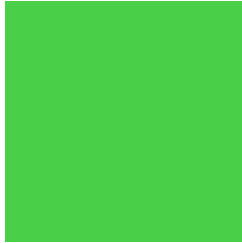


290029



# Previews

## White Background



This preview shows how the Hex color 49D048 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 Hex color 49D048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

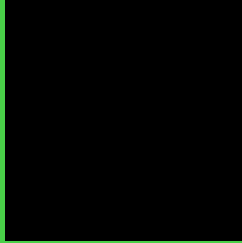
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49D048 Background



This preview shows how black text looks on a background with the Hex color 49D048.

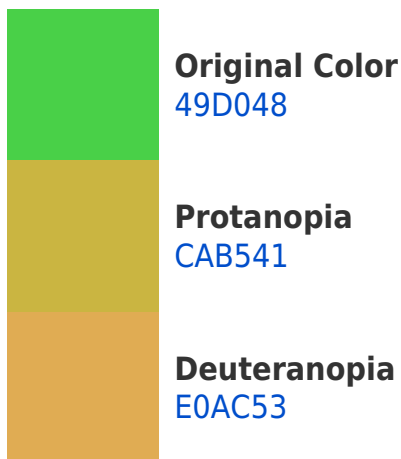


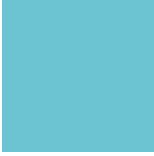
This preview shows how white text looks on a background with the Hex color 49D048.

# 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**  
6CC3D2

# Trichromacy



**Original Color**  
49D048



**Protanomaly**  
9BBF44



**Deuteranomaly**  
A9B94F



**Tritanomaly**  
5FC8A0

# Monochromacy



**Original Color**  
49D048



**Achromatopsia**  
989898



**Achromatomaly**  
7BAC7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49D048 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 #49D048 looks like.

```
.text, #text, p{  
    color:#49D048  
}
```

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 #49D048 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49D048
}
```

## Border

The CSS property to change the border of an element to Hex 49D048 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
#49D048 }
```

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

```
.border{ border-color:#49D048 }
```

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

Here you see how a box with a 4 pixel #49D048 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49D048; -webkit-box-shadow:4px 4px  
4px 4px #49D048; box-shadow:4px 4px 4px  
4px #49D048 }
```

# Background

The CSS property to change the background color of an element to Hex 49D048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49D048 }
```

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

```
.background{ background-color:#49D048 }
```

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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