

# Converting Colors

Hex(49DE2C)

Have a look what the booklet for  
Hex(49DE2C) contains.

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**Color**

**Hex(49DE2C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49DE2C
RGB	73, 222, 44
RGB Percent	29%, 87%, 17%
CMY	0.7137, 0.1294, 0.8275
CMYK	0.67, 0.00, 0.80, 0.13
HSL	110°, 73%, 52%
HSV	110°, 80%, 87%
XYZ	29.3236, 53.8409, 11.2297
YIQ	157.1570, -31.6660, -86.9460

# Conversions

## Conversions Part 2

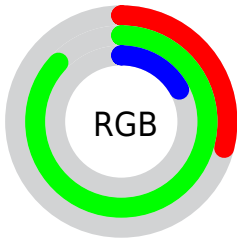
Format	Color
<a href="#">RYB</a>	<a href="#">44, 222, 193</a>
Decimal	<a href="#">4841004</a>
CIELab	<a href="#">78.37, -68.91, 68.91</a>
CIELCh	<a href="#">78, 97.454, 134.998</a>
Yxy	<a href="#">53.8409, 0.3107, 0.5704</a>
Android (android.graphics.Color)	<a href="#">4283031084</a> ( <a href="#">0xFF49DE2C</a> )
YUV	<a href="#">157.1570, -55.7864, -73.8057</a>
Hunter-Lab	<a href="#">73.3763, -57.0742, 42.2896</a>

# Details

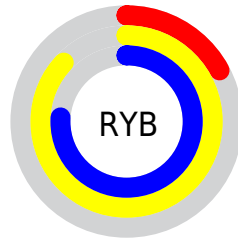
The Hex color **49DE2C** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **C12CDE**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **8CFF69**, and **00A500** is the 20% darker color. If you saturate the color by 10%, you get **36DE16**, and if you desaturate by 10%, it is **5CDE42**.

# Distribution



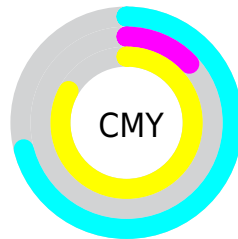
- Red (29%)
- Green (87%)
- Blue (17%)



- Red (17%)
- Yellow (87%)
- Blue (76%)



- Cyan (67%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)



- Cyan (71%)
- Magenta (13%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49DE2C 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 49DE2C by changing the saturation by 10% instead.



 49DE2C

 49DE2C

FFFFFF

 18C100


 8CFF69

 00A500

 ABFF85

 008A00

 CAFFA2

 006F00

 E9FFBE

 005500

 FFFFDC

 003D00

 FFFFF9

 002400

 000000

 49DE2C

 49DE2C

 36DE16

 5CDE42

 24DE00

 6EDE58

 81DE6F

 93DE85

 A6DE9B

 B8DEB1

 CBDEC7

 DEDEDE

 F0DEF4

# Harmonies

## Analogous

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



BFCC00



49DE2C



00E790

# Triad

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



49DE2C



00D9FF



FF5999

# Complementary

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



49DE2C



C12CDE

# 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.



FF62F3



49DE2C



18BDFE

# Square

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



49DE2C



00E7FF



FD92FF



FF8242

# Rectangle

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



49DE2C



00EACF



FD92FF



FF54B7

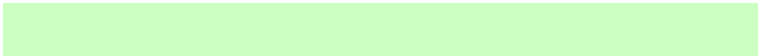


# Sweetspot

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



49DE2C



CCFFC2



DEC02C



61805B



000000



808080



# Same Dimension

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



49DE2C



32FF0A



2CDE67



677065



1DB000



083000



# Inverse Universe

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



C12CDE



D70AFF



DE2CA3



6E6570



9300B0

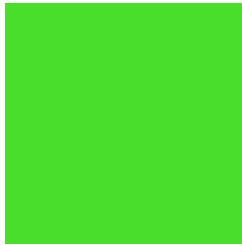


290030



# Previews

## White Background



This preview shows how the Hex color 49DE2C looks on a white background.

## Color Contrast Check

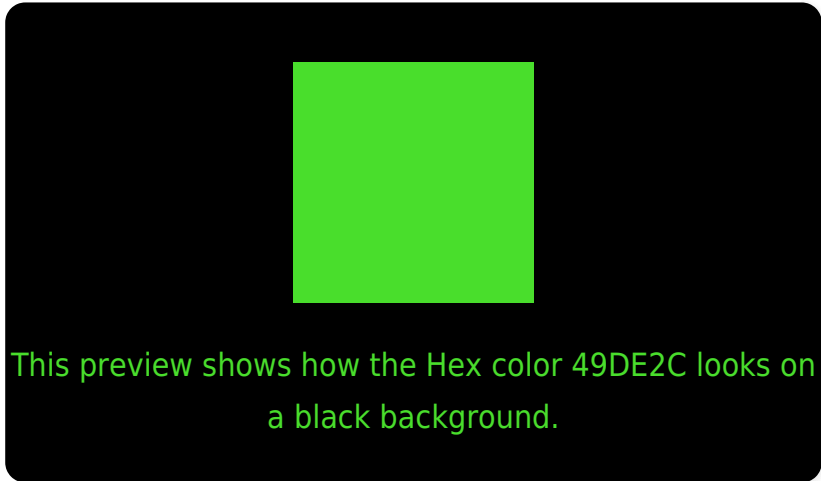
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

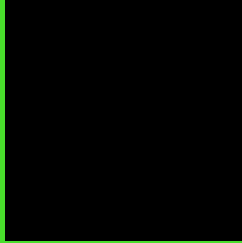
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49DE2C Background



This preview shows how black text looks on a background with the Hex color 49DE2C.

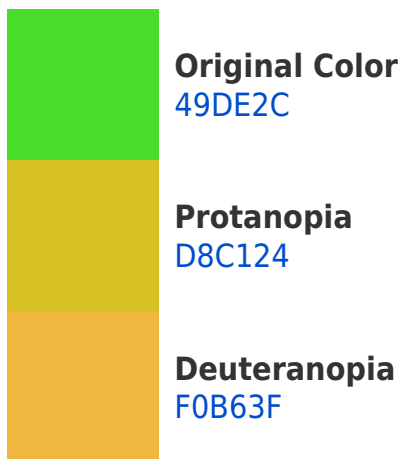


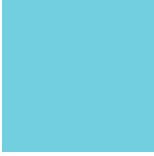
This preview shows how white text looks on a background with the Hex color 49DE2C.

# 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](#).

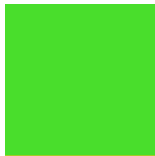
## Dichromacy





**Tritanopia**  
72CFDF

# Trichromacy



**Original Color**  
49DE2C



**Protanomaly**  
A4CC27



**Deuteranomaly**  
B3C538



**Tritanomaly**  
63D49E

# Monochromacy



**Original Color**  
49DE2C



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
7EB574

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49DE2C 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 #49DE2C looks like.

```
.text, #text, p{  
    color:#49DE2C  
}
```

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 #49DE2C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49DE2C
}
```

## Border

The CSS property to change the border of an element to Hex 49DE2C 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
#49DE2C }
```

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

```
.border{ border-color:#49DE2C }
```

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

Here you see how a box with a 4 pixel #49DE2C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49DE2C; -webkit-box-shadow:4px 4px  
4px 4px #49DE2C; box-shadow:4px 4px 4px  
4px #49DE2C }
```

# Background

The CSS property to change the background color of an element to Hex 49DE2C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49DE2C }
```

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

```
.background{ background-color:#49DE2C }
```

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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