

# Converting Colors

Hex(49E400)

Have a look what the booklet for  
Hex(49E400) contains.

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**Color**

**Hex(49E400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49E400
RGB	73, 228, 0
RGB Percent	29%, 89%, 0%
CMY	0.7137, 0.1059, 1.0000
CMYK	0.68, 0.00, 1.00, 0.11
HSL	101°, 100%, 45%
HSV	101°, 100%, 89%
XYZ	30.4911, 56.9033, 9.3764
YIQ	155.6630, -19.1920, -103.7680

# Conversions

## Conversions Part 2

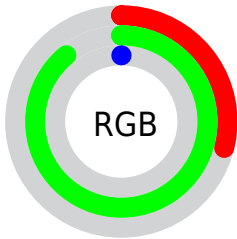
Format	Color
<a href="#">RYB</a>	<a href="#">0, 228, 155</a>
Decimal	<a href="#">4842496</a>
CIELab	<a href="#">80.13, -72.05, 77.41</a>
CIELCh	<a href="#">80, 105.757, 132.946</a>
Yxy	<a href="#">56.9033, 0.3151, 0.5880</a>
Android (android.graphics.Color)	<a href="#">4283032576 (0xFF49E400)</a>
YUV	<a href="#">155.6630, -76.7419, -72.4955</a>
Hunter-Lab	<a href="#">75.4343, -59.8590, 45.4343</a>

# Details

The Hex color **49E400** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **9B00E4**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **8EFF57**, and **00AB00** is the 20% darker color. If you saturate the color by 10%, you get **49E400**, and if you desaturate by 10%, it is **59E417**.

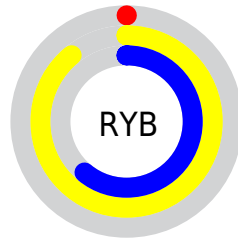
# Distribution



Red (29%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (61%)

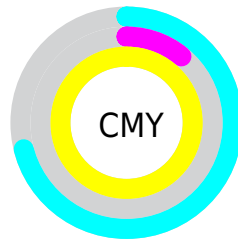


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (71%)

Magenta (11%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49E400 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 49E400 by changing the saturation by 10% instead.



 49E400

 49E400

FFFFFF

 13C700

 8EFF57

 00AB00

 AEFF75

 008F00

 CDFF92

 007500

 EDFFAF

 005A00

 FFFFCD

 004100

 FFFFEB

 002800

 000100

 000000

 49E400

 59E417

 68E42E

 78E444

 87E45B

 97E472

 A6E489

 B6E4A0

 C5E4B6

 D5E4CD

# Harmonies

## Analogous

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



C8D000



49E400



00EE89

# Triad

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



49E400



00E2FF



FF47A1

# Complementary

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



49E400



9B00E4

# 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.



FF5AFF



49E400



00C5FF

# Square

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



49E400



00EFFF



FD95FF



FF7A41

# Rectangle

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



49E400



00F1CE



FD95FF



FF42C1

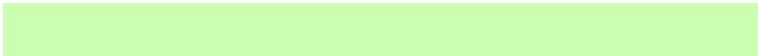


# Sweetspot

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



49E400



CBFFB3



E49800



608052



000000



808080



# Same Dimension

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



49E400



52FF00



00E426



6B7367



39B300



103300



# Inverse Universe

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



9B00E4



AD00FF



E400BE



6F6773



7900B3

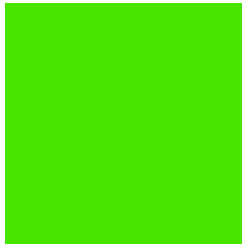


230033



# Previews

## White Background



This preview shows how the Hex color 49E400 looks on a white background.

## Color Contrast Check

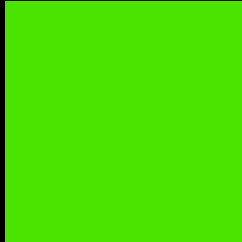
Large Text (above 18pt) WCAG AA × Fail

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 49E400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

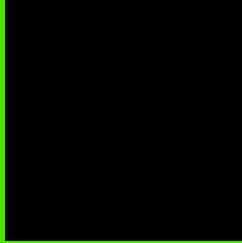
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

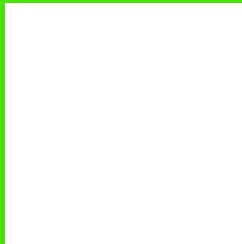
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 49E400 Background



This preview shows how black text looks on a background with the Hex color 49E400.



This preview shows how white text looks on a background with the Hex color 49E400.

# 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](#).

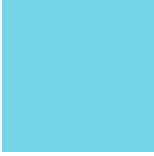
## Dichromacy



**Original Color**  
49E400

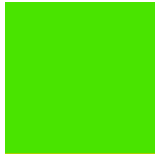
**Protanopia**  
DEC500

**Deuteranopia**  
F8BB30



**Tritanopia**  
75D4E5

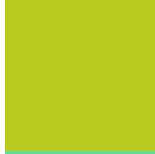
# Trichromacy



**Original Color**  
49E400



**Protanomaly**  
A8D000

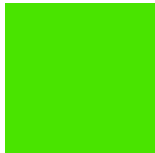


**Deuteranomaly**  
B8CA1F



**Tritanomaly**  
65DA92

# Monochromacy



**Original Color**  
49E400



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
7EB663

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49E400 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 #49E400 looks like.

```
.text, #text, p{  
    color:#49E400  
}
```

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 #49E400 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49E400
}
```

## Border

The CSS property to change the border of an element to Hex 49E400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

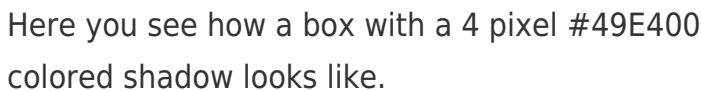
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#49E400 }
```

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

```
.border{ border-color:#49E400 }
```

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



Here you see how a box with a 4 pixel #49E400 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49E400; -webkit-box-shadow:4px 4px  
4px 4px #49E400; box-shadow:4px 4px 4px  
4px #49E400 }
```

# Background

The CSS property to change the background color of an element to Hex 49E400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49E400 }
```

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

```
.background{ background-color:#49E400 }
```

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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