

# Converting Colors

Hex(47CC00)

Have a look what the booklet for  
Hex(47CC00) contains.

<b>Hex(47CC00)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(47CC00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47CC00
RGB	71, 204, 0
RGB Percent	28%, 80%, 0%
CMY	0.7216, 0.2000, 1.0000
CMYK	0.65, 0.00, 1.00, 0.20
HSL	99°, 100%, 40%
HSV	99°, 100%, 80%
XYZ	24.1914, 44.5253, 7.3192
YIQ	140.9770, -13.7840, -91.6400

# Conversions

## Conversions Part 2

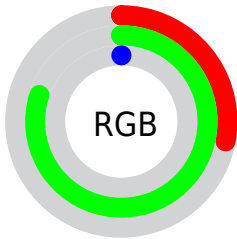
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 204, 133
Decimal	4705280
CIELab	72.58, -64.94, 71.40
CIELCh	73, 96.513, 132.285
Yxy	44.5253, 0.3182, 0.5856
Android (android.graphics.Color)	4282895360 (0xFF47CC00)
YUV	140.9770, -69.5017, -61.3698
Hunter-Lab	66.7273, -52.0592, 40.2057

# Details

The Hex color **47CC00** 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 **8500CC**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **88FF52**, and **009400** is the 20% darker color. If you saturate the color by 10%, you get **47CC00**, and if you desaturate by 10%, it is **54CC14**.

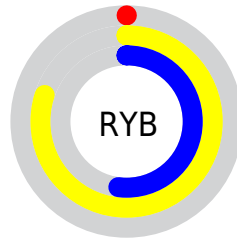
# Distribution



Red (28%)

Green (80%)

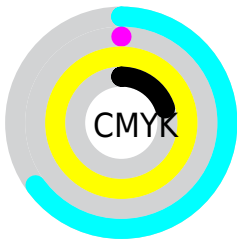
Blue (0%)



Red (0%)

Yellow (80%)

Blue (52%)

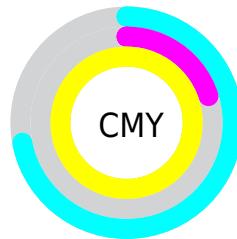


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (72%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47CC00 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 47CC00 by changing the saturation by 10% instead.



 47CC00

 47CC00

FFFFFF

 19B000


 88FF52

 009400

 A7FF6F

 007A00

 C6FF8B

 005F00

 E4FFA8

 004600

 FFFFC5

 002F00

 FFFFE3

 001000

 000000

 47CC00

 54CC14

 62CC29

 6FCC3D

 7CCC52

 8ACC66

 97CC7A

 A4CC8F

 B1CCA3

 BFCCB8

# Harmonies

## Analogous

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



B5BA00



47CC00



00D579

# Triad

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



47CC00



00CBFF



FF4192

# Complementary

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



47CC00



8500CC

# 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.



FF53EA



47CC00



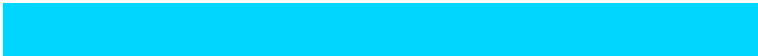
00B1FF

# Square

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



47CC00



00D6FF



E087FF



FF6D3C

# Rectangle

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



47CC00



00D8B7



E087FF



FF3EAF

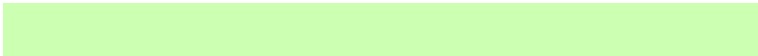


# Sweetspot

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



47CC00



CDFFB3



CC8500



628052



000000



808080



# Same Dimension

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



47CC00



59FF00



00CC1F



5F665C



3AA600



0D2600



# Inverse Universe

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



8500CC



A600FF



CC00AD



625C66



6C00A6

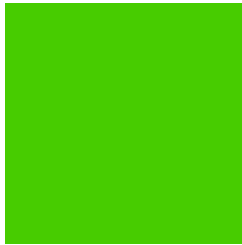


190026



# Previews

## White Background



This preview shows how the Hex color 47CC00 looks on a white background.

## Color Contrast Check

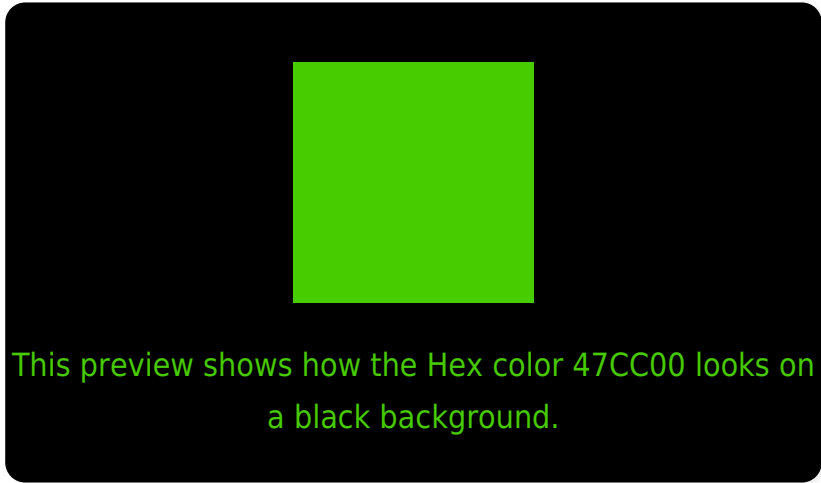
Large Text (above 18pt) WCAG AA × Fail

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 47CC00 Background



This preview shows how black text looks on a background with the Hex color 47CC00.

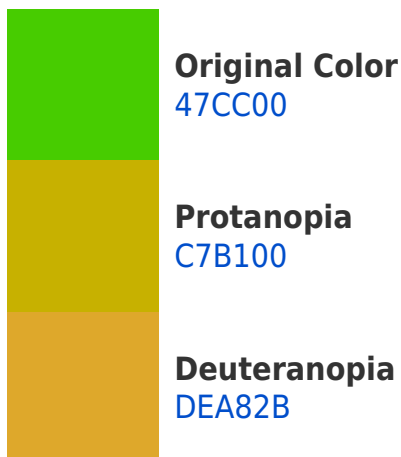


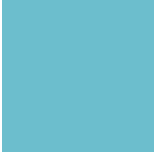
This preview shows how white text looks on a background with the Hex color 47CC00.

# 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](#).

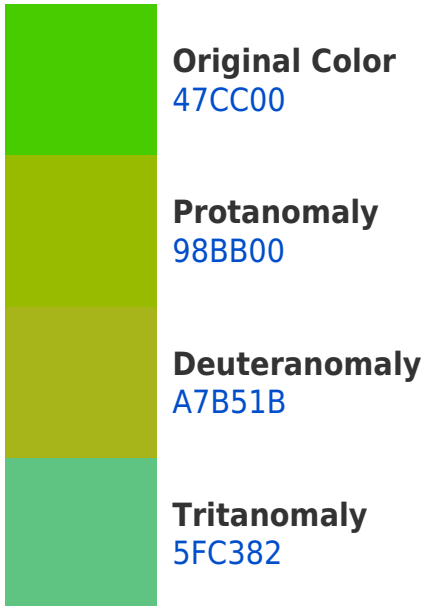
## Dichromacy



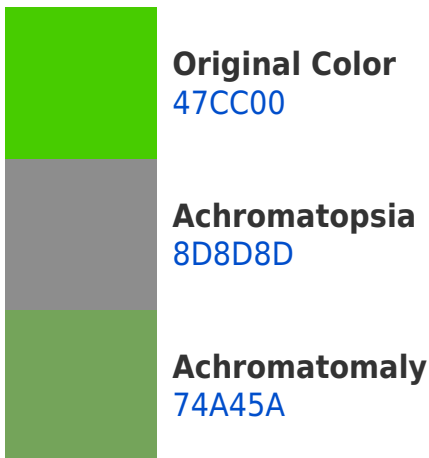


**Tritanopia**  
6CBECD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47CC00 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 #47CC00 looks like.

```
.text, #text, p{  
    color:#47CC00  
}
```

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 #47CC00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47CC00
}
```

## Border

The CSS property to change the border of an element to Hex 47CC00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

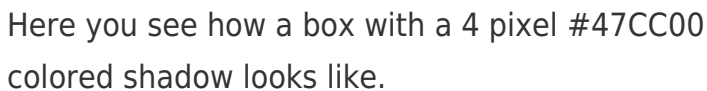
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#47CC00 }
```

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

```
.border{ border-color:#47CC00 }
```

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



Here you see how a box with a 4 pixel `#47CC00` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47CC00; -webkit-box-shadow:4px 4px  
4px 4px #47CC00; box-shadow:4px 4px 4px  
4px #47CC00 }
```

# Background

The CSS property to change the background color of an element to Hex 47CC00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47CC00 }
```

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

```
.background{ background-color:#47CC00 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor