

Converting Colors

Hex(47D70C)

Have a look what the booklet for
Hex(47D70C) contains.

Hex(47D70C)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(47D70C)

Conversions

Conversions Part 1

Format	Color
Hex	47D70C
RGB	71, 215, 12
RGB Percent	28%, 84%, 5%
CMY	0.7216, 0.1569, 0.9529
CMYK	0.67, 0.00, 0.94, 0.16
HSL	103°, 89%, 45%
HSV	103°, 94%, 84%
XYZ	26.9653, 49.9670, 8.5712
YIQ	148.8020, -20.6610, -93.6610

Conversions

Conversions Part 2

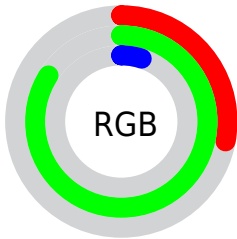
Format	Color
RYB	12, 215, 156
Decimal	4708108
CIELab	76.05, -68.22, 72.99
CIELCh	76, 99.907, 133.065
Yxy	49.9670, 0.3154, 0.5844
Android (android.graphics.Color)	4282898188 (0xFF47D70C)
YUV	148.8020, -67.4434, -68.2324
Hunter-Lab	70.6874, -55.6099, 42.2919

Details

The Hex color **47D70C** 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 **9C0CD7**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **8AFF57**, and **009F00** is the 20% darker color. If you saturate the color by 10%, you get **3ED700**, and if you desaturate by 10%, it is **56D721**.

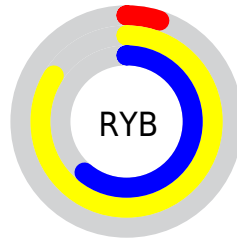
Distribution



Red (28%)

Green (84%)

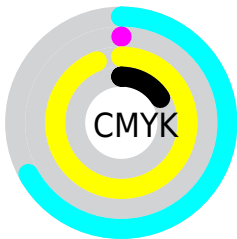
Blue (5%)



Red (5%)

Yellow (84%)

Blue (61%)

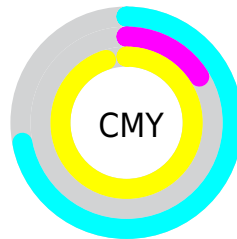


Cyan (67%)

Magenta (0%)

Yellow (94%)

Black (16%)



Cyan (72%)

Magenta (16%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Hex color 47D70C 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 47D70C by changing the saturation by 10% instead.

 47D70C

 47D70C

FFFFFF

 15BB00

 8AFF57

 009F00

 A9FF75

 008400

 C8FF91

 006900

 E7FFAE

 004F00

 FFFFCB

 003800

 FFFF E9

 001D00

 000000

 47D70C

 47D70C

 3ED700

 56D721

 66D737

 75D74D

 84D762

 93D777

 A3D78D

 B2D7A3

 C1D7B8

 D0D7CE

Harmonies

Analogous

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



BDC400



47D70C



00E082

Triad

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



47D70C



00D5FF



FF4798

Complementary

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



47D70C



9C0CD7

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.



FF57F4



47D70C



00BAFF

Square

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



47D70C



00E1FF



EF8DFF



FF753E

Rectangle

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



47D70C



00E3C3



EF8DFF



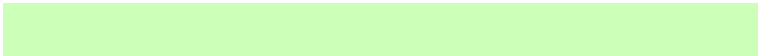
FF43B6

Sweetspot

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



47D70C



CCFFB8



D79A0C



618054



000000



808080

Same Dimension

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



47D70C



4AFF00



0CD735



646B60



32AB00



0D2B00

Inverse Universe

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



9C0CD7



B500FF



D70CAE



68606B



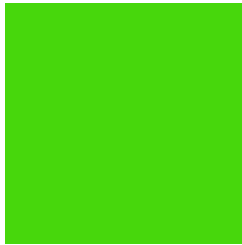
7900AB



1F002B

Previews

White Background



This preview shows how the Hex color 47D70C looks on a white background.

Color Contrast Check

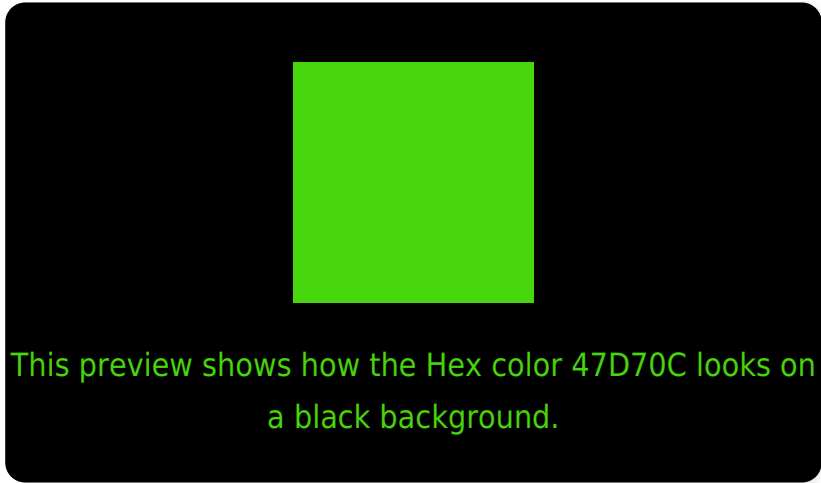
Large Text (above 18pt) WCAG AA × Fail

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 47D70C Background



This preview shows how black text looks on a background with the Hex color 47D70C.

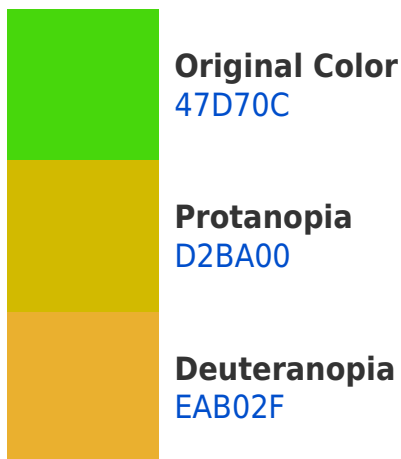


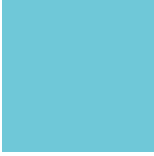
This preview shows how white text looks on a background with the Hex color 47D70C.

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](#).

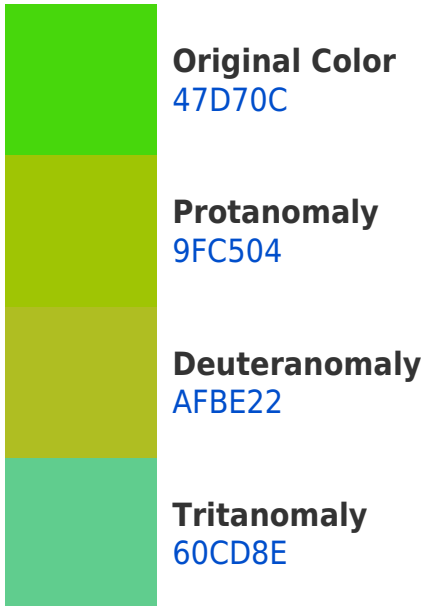
Dichromacy



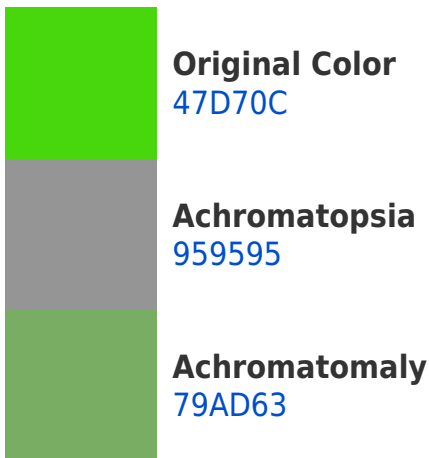


Tritanopia
6FC8D8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 47D70C 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 #47D70C looks like.

```
.text, #text, p{  
    color:#47D70C  
}
```

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 #47D70C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47D70C
}
```

Border

The CSS property to change the border of an element to Hex 47D70C 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
#47D70C }
```

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

```
.border{ border-color:#47D70C }
```

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

Here you see how a box with a 4 pixel #47D70C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47D70C; -webkit-box-shadow:4px 4px  
4px 4px #47D70C; box-shadow:4px 4px 4px  
4px #47D70C }
```

Background

The CSS property to change the background color of an element to Hex 47D70C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47D70C }
```

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

```
.background{ background-color:#47D70C }
```

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