

# Converting Colors

Hex(46F70D)

Have a look what the booklet for  
Hex(46F70D) contains.

<b>Hex(46F70D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(46F70D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46F70D
RGB	70, 247, 13
RGB Percent	27%, 97%, 5%
CMY	0.7255, 0.0314, 0.9490
CMYK	0.72, 0.00, 0.95, 0.03
HSL	105°, 94%, 51%
HSV	105°, 95%, 97%
XYZ	35.8592, 67.8527, 11.5877
YIQ	167.4010, -30.3780, -110.2980

# Conversions

## Conversions Part 2

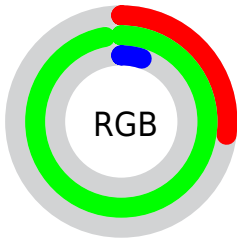
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 247, 190
Decimal	4650765
CIELab	85.93, -78.07, 80.97
CIELCh	86, 112.478, 133.958
Yxy	67.8527, 0.3110, 0.5885
Android (android.graphics.Color)	4282840845 (0xFF46F70D)
YUV	167.4010, -76.1197, -85.4207
Hunter-Lab	82.3727, -66.4462, 49.3204

# Details

The Hex color **46F70D** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **BE0DF7**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **8FFF5E**, and **00BD00** is the 20% darker color. If you saturate the color by 10%, you get **3CF700**, and if you desaturate by 10%, it is **59F726**.

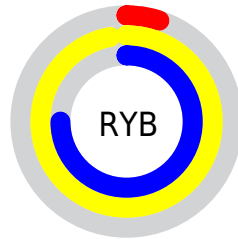
# Distribution



Red (27%)

Green (97%)

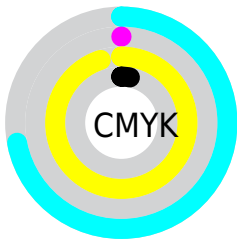
Blue (5%)



Red (5%)

Yellow (97%)

Blue (75%)

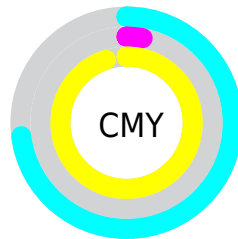


Cyan (72%)

Magenta (0%)

Yellow (95%)

Black (3%)



Cyan (73%)

Magenta (3%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46F70D 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 46F70D by changing the saturation by 10% instead.



 46F70D

 46F70D

FFFFFF

 00DA00

 8FFF5E

 00BD00

 B0FF7C

 00A100

 D0FF9A

 008500

 F0FFB7

 006A00

 FFFFD5

 005000

 FFFFF3

 003800

 001D00

 000000

 46F70D

 46F70D

 3CF700

 59F726

 6BF73E

 7EF757

 91F770

 A3F789

 B6F7A1

 C9F7BA

 DBF7D3

 EE7F7EB

# Harmonies

## Analogous

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



D5E200



46F70D



00FF98

# Triad

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



46F70D



00F4FF



FF4EAA

# Complementary

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



46F70D



BE0DF7

# 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.



FF5FFF



46F70D



00D4FF

# Square

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



46F70D



00FFFF



FF9FFF



FF8642

# Rectangle

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



46F70D



00FFE3



FF9FFF



FF47CE

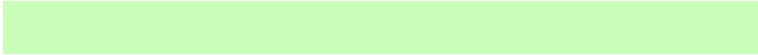


# Sweetspot

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



46F70D



C9FFB8



F7BD0D



5F8054



000000



808080



# Same Dimension

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



46F70D



3EFF00



0DF748



717A6E



2DBA00



0E3B00



# Inverse Universe

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



BE0DF7



C100FF



F70DBD



776E7A



8D00BA

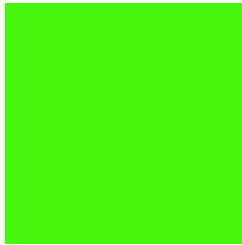


2C003B



# Previews

## White Background



This preview shows how the Hex color 46F70D looks on a white background.

## Color Contrast Check

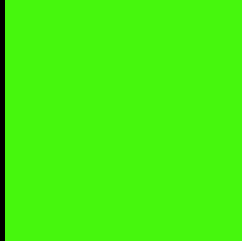
Large Text (above 18pt) WCAG AA × Fail

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 46F70D looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

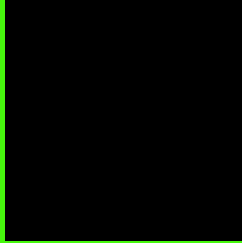
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46F70D Background



This preview shows how black text looks on a background with the Hex color 46F70D.

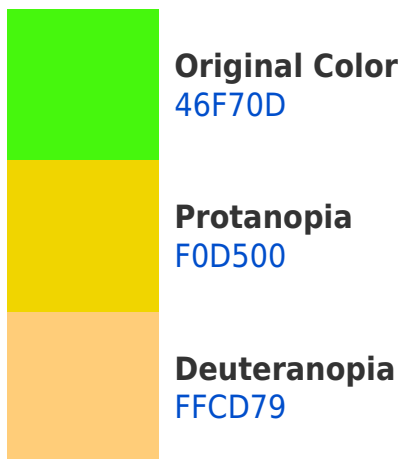


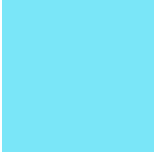
This preview shows how white text looks on a background with the Hex color 46F70D.

# 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](#).

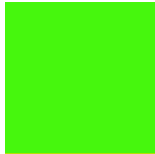
## Dichromacy





**Tritanopia**  
7AE6F8

# Trichromacy



**Original Color**  
46F70D



**Protanomaly**  
B2E105

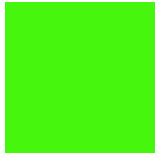


**Deuteranomaly**  
BCDC52



**Tritanomaly**  
67ECA3

# Monochromacy



**Original Color**  
46F70D



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
84C46F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46F70D 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 #46F70D looks like.

```
.text, #text, p{  
    color:#46F70D  
}
```

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 #46F70D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46F70D
}
```

## Border

The CSS property to change the border of an element to Hex 46F70D 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".

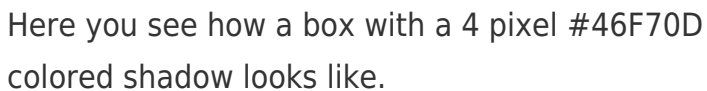
```
.border, #border, table{ border:4px solid
#46F70D }
```

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

```
.border{ border-color:#46F70D }
```

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

Here you see how a box with a 4 pixel #46F70D colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46F70D; -webkit-box-shadow:4px 4px  
4px 4px #46F70D; box-shadow:4px 4px 4px  
4px #46F70D }
```

# Background

The CSS property to change the background color of an element to Hex 46F70D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46F70D }
```

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

```
.background{ background-color:#46F70D }
```

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