

Converting Colors

Hex(70DF47)

Have a look what the booklet for
Hex(70DF47) contains.

Hex(70DF47)	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(70DF47)

Conversions

Conversions Part 1

Format	Color
Hex	70DF47
RGB	112, 223, 71
RGB Percent	44%, 87%, 28%
CMY	0.5608, 0.1255, 0.7216
CMYK	0.50, 0.00, 0.68, 0.13
HSL	104°, 70%, 58%
HSV	104°, 68%, 87%
XYZ	34.2071, 56.6750, 15.0977
YIQ	172.4830, -17.3640, -70.8040

Conversions

Conversions Part 2

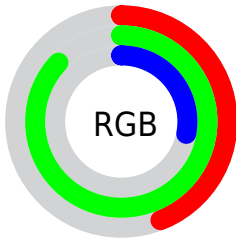
Format	Color
RYB	71, 223, 182
Decimal	7397191
CIELab	80.00, -58.12, 61.99
CIELCh	80, 84.979, 133.154
Yxy	56.6750, 0.3228, 0.5348
Android (android.graphics.Color)	4285587271 (0xFF70DF47)
YUV	172.4830, -50.0311, -53.0436
Hunter-Lab	75.2828, -50.6379, 40.8076

Details

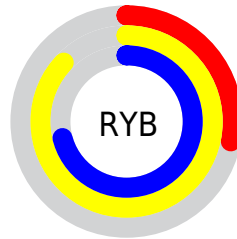
The Hex color **70DF47** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **B647DF**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **ACFF7F**, and **2EA700** is the 20% darker color. If you saturate the color by 10%, you get **60DF31**, and if you desaturate by 10%, it is **80DF5D**.

Distribution



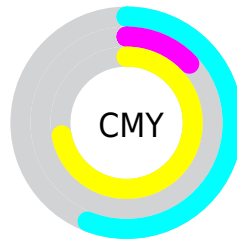
- Red (44%)
- Green (87%)
- Blue (28%)



- Red (28%)
- Yellow (87%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (68%)
- Black (13%)



- Cyan (56%)
- Magenta (13%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Hex color 70DF47 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 70DF47 by changing the saturation by 10% instead.

 70DF47

 70DF47

FFFFFF

 51C329

 ACFF7F

 2EA700

 C9FF9A

 008C00

 E8FFB7

 007100

 FFFFD3

 005800

 FFFFF1

 003F00

 002800

 000000

 70DF47

 70DF47

 60DF31

 80DF5D

 4FDF1A

 91DF74

 3FDF04

 A1DF8A

 3CDF00

 B1DFA0

 C1DFB7

 D2DFCD

 E2DFE3

 F2DFF9

 FFDFFF

Harmonies

Analogous

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



CCCE00



70DF47



00E895

Triad

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



70DF47



00DCFF



FF75A7

Complementary

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



70DF47



B647DF

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.



FF7EF6



70DF47



56C4FF

Square

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



70DF47



00E8FF



F6A1FF



FF8F5C

Rectangle

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



70DF47



00EBCD



F6A1FF



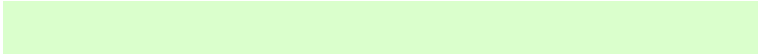
FF74C1

Sweetspot

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



70DF47



DAFFCC



DFB447



698061



000000



808080

Same Dimension

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



70DF47



66FF2E



47DF68



687065



2FB000



0D3000

Inverse Universe

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



B647DF



C72EFF



DF47BE



6D6570



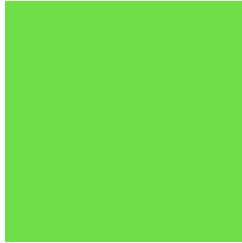
8000B0



230030

Previews

White Background



This preview shows how the Hex color 70DF47 looks on a white background.

Color Contrast Check

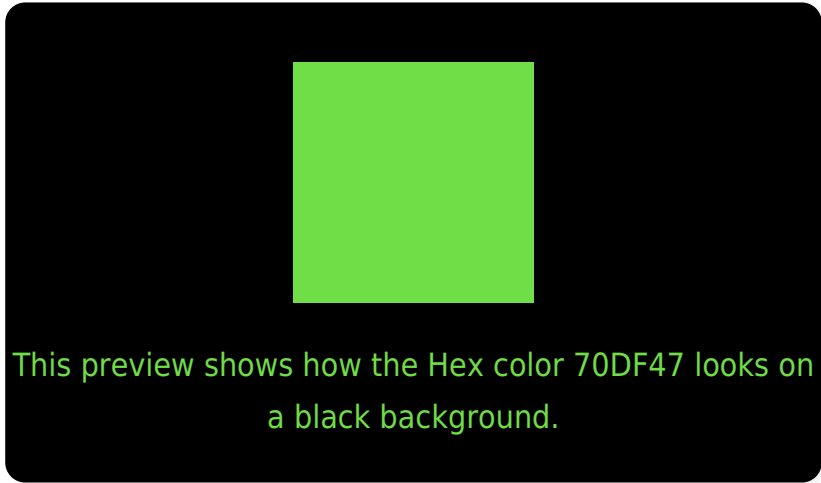
Large Text (above 18pt) WCAG AA × Fail

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 70DF47 Background



This preview shows how black text looks on a background with the Hex color 70DF47.

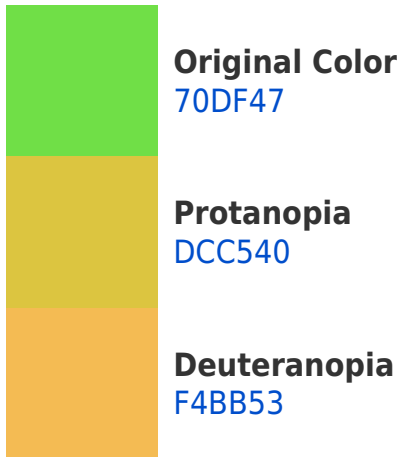


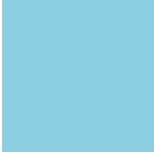
This preview shows how white text looks on a background with the Hex color 70DF47.

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](#).

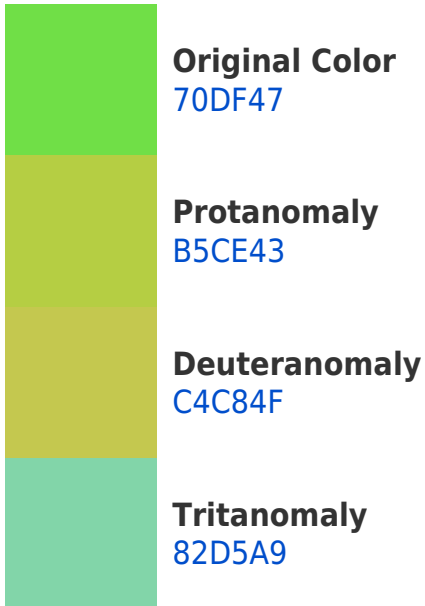
Dichromacy



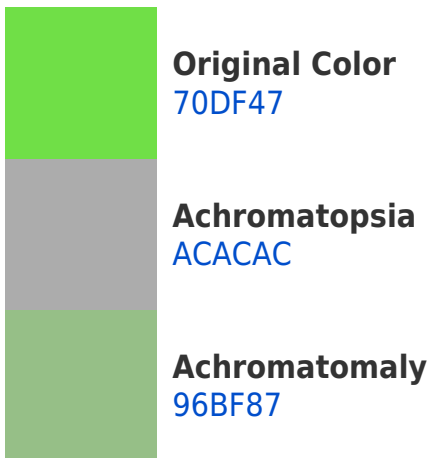


Tritanopia
8CD0E1

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 70DF47 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 #70DF47 looks like.

```
.text, #text, p{  
    color:#70DF47  
}
```

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 #70DF47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70DF47
}
```

Border

The CSS property to change the border of an element to Hex 70DF47 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
#70DF47 }
```

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

```
.border{ border-color:#70DF47 }
```

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

Here you see how a box with a 4 pixel #70DF47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70DF47; -webkit-box-shadow:4px 4px  
4px 4px #70DF47; box-shadow:4px 4px 4px  
4px #70DF47 }
```

Background

The CSS property to change the background color of an element to Hex 70DF47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70DF47 }
```

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

```
.background{ background-color:#70DF47 }
```

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