

# Converting Colors

Hex(70FF33)

Have a look what the booklet for  
Hex(70FF33) contains.

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**Color**

**Hex(70FF33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FF33
RGB	112, 255, 51
RGB Percent	44%, 100%, 20%
CMY	0.5608, 0.0000, 0.8000
CMYK	0.56, 0.00, 0.80, 0.00
HSL	102°, 100%, 60%
HSV	102°, 80%, 100%
XYZ	43.0396, 75.2038, 15.3793
YIQ	188.9870, -19.7440, -93.7600

# Conversions

## Conversions Part 2

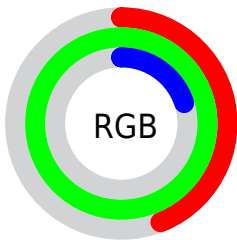
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 255, 194
Decimal	7405363
CIELab	89.49, -70.74, 77.72
CIELCh	89, 105.090, 132.307
Yxy	75.2038, 0.3221, 0.5628
Android (android.graphics.Color)	4285595443 (0xFF70FF33)
YUV	188.9870, -68.0276, -67.5176
Hunter-Lab	86.7201, -63.1697, 50.1893

# Details

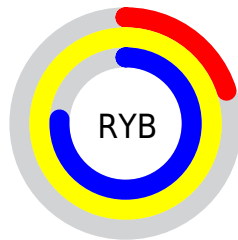
The Hex color **70FF33** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **C233FF**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **B0FF72**, and **1DC500** is the 20% darker color. If you saturate the color by 10%, you get **5EFF19**, and if you desaturate by 10%, it is **82FF4D**.

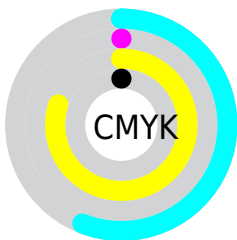
# Distribution



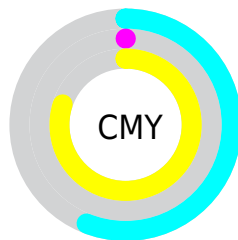
- Red (44%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (56%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70FF33 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 70FF33 by changing the saturation by 10% instead.



 70FF33

 70FF33

FFFFFF

 4DE200


 B0FF72

 1DC500

 CFFF90

 00A900

 EEFFAD

 008D00

 FFFFCA

 007300

 FFFF80

 005800

 004000

 002700

 000000

 70FF33

 70FF33


 5EFF19

 82FF4D

 4CFF00

 94FF66

 A6FF80

 B8FF99

 C9FFB3

 DBFFCC

 EDFFE6

FFFFFF

# Harmonies

## Analogous

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



E7E900



70FF33



00FFA0

# Triad

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



70FF33



00DFF



FF6FBC

# Complementary

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



70FF33



C233FF

# 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.



FF7EFF



70FF33



00DFFF

# Square

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



70FF33



00FFFF



FFB1FF



FF965C

# Rectangle

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



70FF33



00FFE6



FFB1FF



FF6CDE

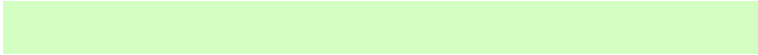


# Sweetspot

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



70FF33



D4FFC2



FFC233



66805B



000000



808080



# Same Dimension

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



70FF33



53FF0A



33FF5C



778073



39BF00



134000



# Inverse Universe

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



C233FF



B60AFF



FF33D6



7C7380



8600BF

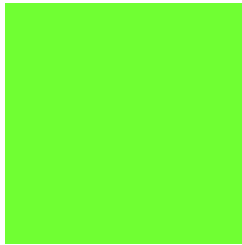


2D0040



# Previews

## White Background



This preview shows how the Hex color 70FF33 looks on a white background.

## Color Contrast Check

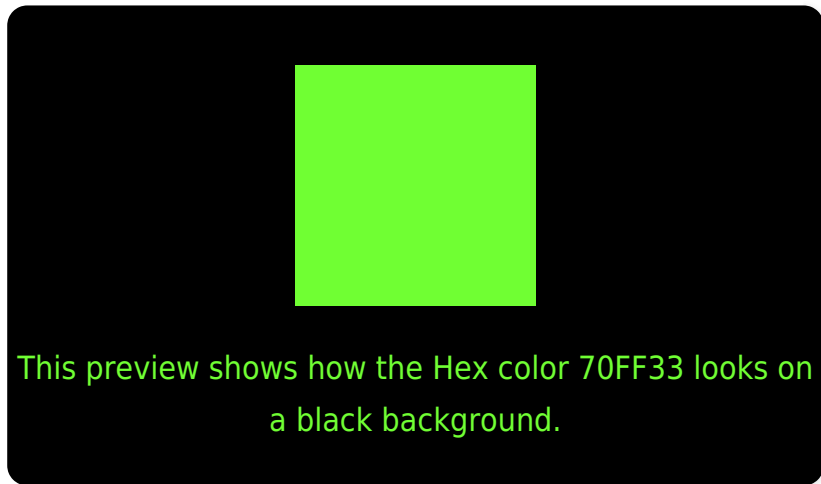
Large Text (above 18pt) WCAG AA × Fail

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

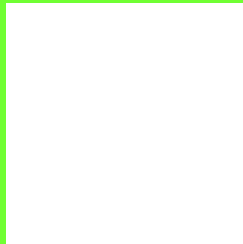
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 70FF33 Background



This preview shows how black text looks on a background with the Hex color 70FF33.

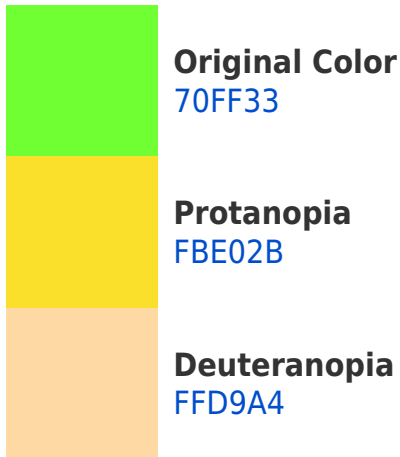


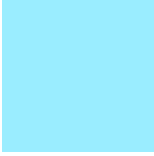
This preview shows how white text looks on a background with the Hex color 70FF33.

# 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](#).

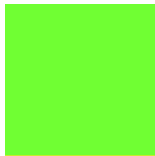
## Dichromacy





**Tritanopia**  
9AEDFF

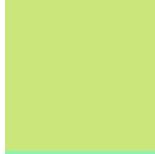
# Trichromacy



**Original Color**  
70FF33



**Protanomaly**  
C8EB2E



**Deuteranomaly**  
CBE77B

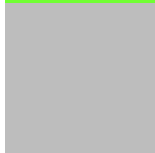


**Tritanomaly**  
8BF4B5

# Monochromacy



**Original Color**  
70FF33



**Achromatopsia**  
BDBDBD



**Achromatomaly**  
A1D58B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70FF33 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 #70FF33 looks like.

```
.text, #text, p{  
    color:#70FF33  
}
```

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 #70FF33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70FF33
}
```

## Border

The CSS property to change the border of an element to Hex 70FF33 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
#70FF33 }
```

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

```
.border{ border-color:#70FF33 }
```

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

Here you see how a box with a 4 pixel #70FF33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70FF33; -webkit-box-shadow:4px 4px  
4px 4px #70FF33; box-shadow:4px 4px 4px  
4px #70FF33 }
```

# Background

The CSS property to change the background color of an element to Hex 70FF33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70FF33 }
```

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

```
.background{ background-color:#70FF33 }
```

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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