

# Converting Colors

Hex(66FB39)

Have a look what the booklet for  
Hex(66FB39) contains.

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**Color**

**Hex(66FB39)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FB39
RGB	102, 251, 57
RGB Percent	40%, 98%, 22%
CMY	0.6000, 0.0157, 0.7765
CMYK	0.59, 0.00, 0.77, 0.02
HSL	106°, 96%, 60%
HSV	106°, 77%, 98%
XYZ	40.7152, 72.1145, 15.6445
YIQ	184.3330, -26.5300, -91.9220

# Conversions

## Conversions Part 2

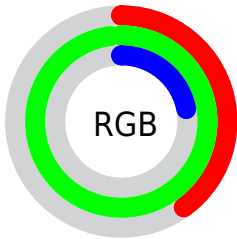
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">57, 251, 206</a>
Decimal	<a href="#">6748985</a>
CIELab	<a href="#">88.02, -71.46, 74.60</a>
CIELCh	<a href="#">88, 103.306, 133.770</a>
Yxy	<a href="#">72.1145, 0.3169, 0.5613</a>
Android (android.graphics.Color)	<a href="#">4284939065 (0xFF66FB39)</a>
YUV	<a href="#">184.3330, -62.7752, -72.2060</a>
Hunter-Lab	<a href="#">84.9203, -63.0283, 48.5215</a>

# Details

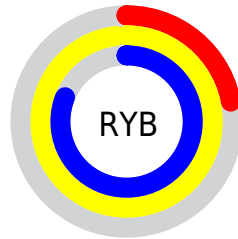
The Hex color **66FB39** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **CE39FB**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **A7FF76**, and **00C100** is the 20% darker color. If you saturate the color by 10%, you get **53FB20**, and if you desaturate by 10%, it is **79FB52**.

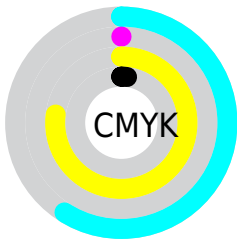
# Distribution



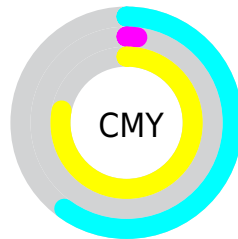
- Red (40%)
- Green (98%)
- Blue (22%)



- Red (22%)
- Yellow (98%)
- Blue (81%)



- Cyan (59%)
- Magenta (0%)
- Yellow (77%)
- Black (2%)



- Cyan (60%)
- Magenta (2%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66FB39 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 66FB39 by changing the saturation by 10% instead.



 66FB39

FFFFFF

 A7FF76

 C6FF93

 E5FFB0

 FFFFCD

 FFFFEB

 66FB39

 41DE0C

 00C100

 00A500

 008A00

 006F00

 005500

 003C00

 002300

 000000

 66FB39

 66FB39

 53FB20

 79FB52

 3FFB07

 8DFB6B

 3AFB00

 A0FB84

 B3FB9D

 C6FBB7

 DAFBD0

 EDFBE9

 FFFBFF

# Harmonies

## Analogous

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



DEE600



66FB39



00FFA2

# Triad

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



66FB39



00F7FF



FF6EB4

# Complementary

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



66FB39



CE39FB

# 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.



FF7AFF



66FB39



1FD9FF

# Square

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



66FB39



00FFFF



FFACFF



FF9656

# Rectangle

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



66FB39



00FE7



FFACFF



FF6BD5

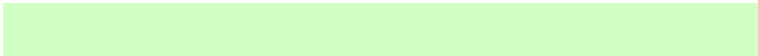


# Sweetspot

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



66FB39



D2FFC4



FBCE39



64805C



000000



808080



# Same Dimension

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



66FB39



49FF12



39FB6D



737D70



2CBD00



0E3D00



# Inverse Universe

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



CE39FB



C812FF



FB39C7



7A707D



9100BD

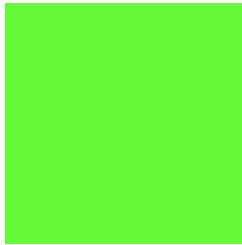


2F003D



# Previews

## White Background



This preview shows how the Hex color 66FB39 looks on a white background.

## Color Contrast Check

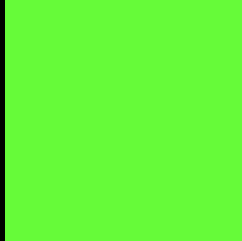
Large Text (above 18pt) WCAG AA × Fail

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 66FB39 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

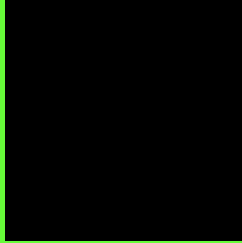
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 66FB39 Background



This preview shows how black text looks on a background with the Hex color 66FB39.

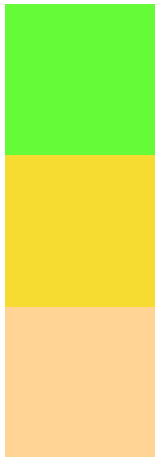


This preview shows how white text looks on a background with the Hex color 66FB39.

# 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](#).

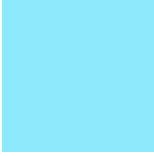
## Dichromacy



**Original Color**  
66FB39

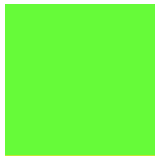
**Protanopia**  
F6DB31

**Deuteranopia**  
FFD495



**Tritanopia**  
8DEAFD

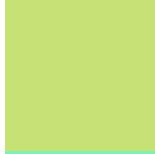
# Trichromacy



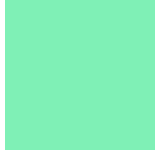
**Original Color**  
66FB39



**Protanomaly**  
C2E734

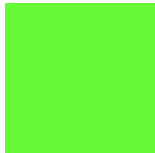


**Deuteranomaly**  
C7E274

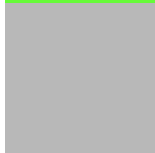


**Tritanomaly**  
7FF0B6

# Monochromacy



**Original Color**  
66FB39



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
9AD08A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66FB39 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 #66FB39 looks like.

```
.text, #text, p{  
    color:#66FB39  
}
```

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 #66FB39 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66FB39
}
```

## Border

The CSS property to change the border of an element to Hex 66FB39 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
#66FB39 }
```

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

```
.border{ border-color:#66FB39 }
```

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

Here you see how a box with a 4 pixel #66FB39 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66FB39; -webkit-box-shadow:4px 4px  
4px 4px #66FB39; box-shadow:4px 4px 4px  
4px #66FB39 }
```

# Background

The CSS property to change the background color of an element to Hex 66FB39 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66FB39 }
```

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

```
.background{ background-color:#66FB39 }
```

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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