

# Converting Colors

Hex(5AF00F)

Have a look what the booklet for  
Hex(5AF00F) contains.

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# Color

Hex(5AF00F)

# Conversions

## Conversions Part 1

Format	Color
Hex	5AF00F
RGB	90, 240, 15
RGB Percent	35%, 94%, 6%
CMY	0.6471, 0.0588, 0.9412
CMYK	0.62, 0.00, 0.94, 0.06
HSL	100°, 88%, 50%
HSV	100°, 94%, 94%
XYZ	35.4628, 64.5283, 11.0381
YIQ	169.5000, -17.1750, -101.7750

# Conversions

## Conversions Part 2

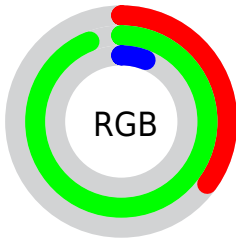
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">15, 240, 165</a>
Decimal	<a href="#">5959695</a>
CIELab	<a href="#">84.24, -72.11, 79.57</a>
CIELCh	<a href="#">84, 107.388, 132.185</a>
Yxy	<a href="#">64.5283, 0.3194, 0.5812</a>
Android (android.graphics.Color)	<a href="#">4284149775 (0xFF5AF00F)</a>
YUV	<a href="#">169.5000, -76.1685, -69.7215</a>
Hunter-Lab	<a href="#">80.3295, -61.7750, 48.0836</a>

# Details

The Hex color **5AF00F** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated green. A complement of this color would be **A50FF0**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **9DFF5D**, and **00B700** is the 20% darker color. If you saturate the color by 10%, you get **50F000**, and if you desaturate by 10%, it is **6AF027**.

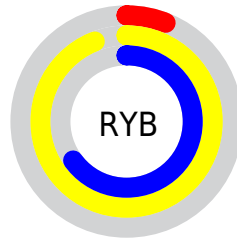
# Distribution



Red (35%)

Green (94%)

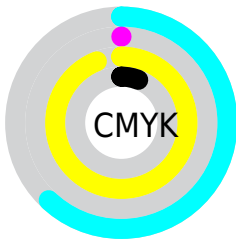
Blue (6%)



Red (6%)

Yellow (94%)

Blue (65%)

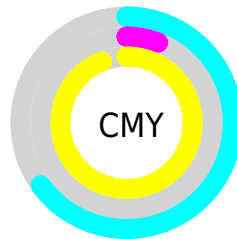


Cyan (62%)

Magenta (0%)

Yellow (94%)

Black (6%)



Cyan (65%)

Magenta (6%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AF00F 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 5AF00F by changing the saturation by 10% instead.



 5AF00F

 5AF00F

FFFFFF

 31D300

 9DFF5D

 00B700

 BCFF7B

 009B00

 DBFF99

 008000

 FBFFB6

 006500

 FFFFD4

 004B00

 FFFFF2

 003300

 001700

 000000

 5AF00F

 5AF00F

 50F000

 6AF027

 7AF03F

 8AF057

 9AF06F

 AAF087

 BAF09F

 CAF0B7

 DAF0CF

 EAF0E7

# Harmonies

## Analogous

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



D7DB00



5AF00F



00FB90

# Triad

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



5AF00F



00EFFF



FF54AE

# Complementary

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



5AF00F



A50FF0

# 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.



FF67FF



5AF00F



00D1FF

# Square

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



5AF00F



00FCFF



FFA1FF



FF844C

# Rectangle

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



5AF00F



00FED7



FFA1FF



FF51CF

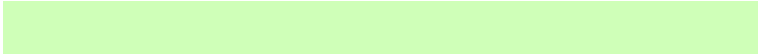


# Sweetspot

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



5AF00F



CFFFB8



F0A50F



638054



000000



808080



# Same Dimension

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



5AF00F



55FF00



0FF034



70786C



3DB800



133800



# Inverse Universe

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



A50FF0



AA00FF



F00FCA



746C78



7A00B8

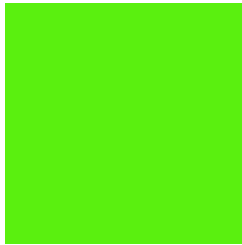


250038



# Previews

## White Background



This preview shows how the Hex color 5AF00F looks on a white background.

## Color Contrast Check

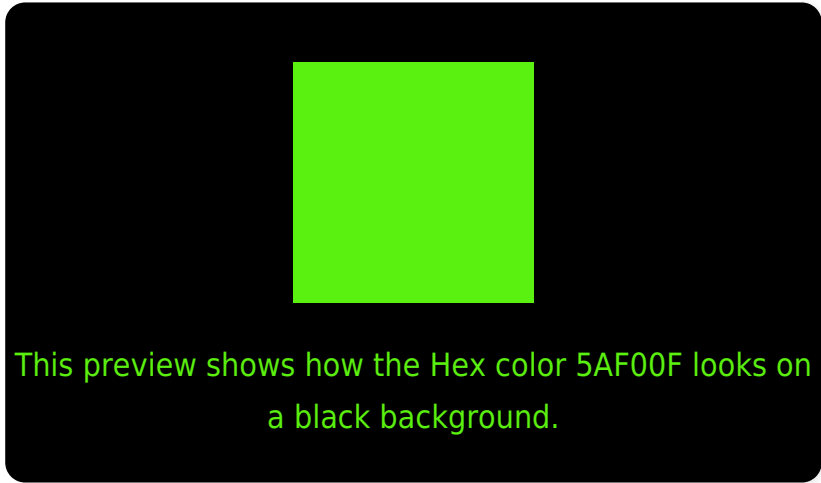
Large Text (above 18pt) WCAG AA × Fail

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

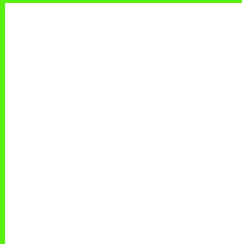
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AF00F Background



This preview shows how black text looks on a background with the Hex color 5AF00F.



This preview shows how white text looks on a background with the Hex color 5AF00F.

# 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](#).

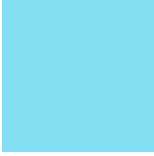
## Dichromacy



**Original Color**  
5AF00F

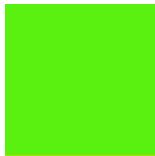
**Protanopia**  
EBD100

**Deuteranopia**  
FFC761



**Tritanopia**  
83DFF1

# Trichromacy



**Original Color**  
5AF00F



**Protanomaly**  
B6DC05



**Deuteranomaly**  
C3D643

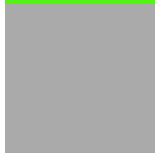


**Tritanomaly**  
74E59F

# Monochromacy



**Original Color**  
5AF00F



**Achromatopsia**  
AAAAAA



**Achromatomaly**  
8DC372

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AF00F 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 #5AF00F looks like.

```
.text, #text, p{  
    color:#5AF00F  
}
```

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 #5AF00F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AF00F
}
```

## Border

The CSS property to change the border of an element to Hex 5AF00F 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
#5AF00F }
```

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

```
.border{ border-color:#5AF00F }
```

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

Here you see how a box with a 4 pixel #5AF00F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AF00F; -webkit-box-shadow:4px 4px  
4px 4px #5AF00F; box-shadow:4px 4px 4px  
4px #5AF00F }
```

# Background

The CSS property to change the background color of an element to Hex 5AF00F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AF00F }
```

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

```
.background{ background-color:#5AF00F }
```

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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