

# Converting Colors

Hex(58FF00)

Have a look what the booklet for  
Hex(58FF00) contains.

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**Color**

**Hex(58FF00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58FF00
RGB	88, 255, 0
RGB Percent	35%, 100%, 0%
CMY	0.6549, 0.0000, 1.0000
CMYK	0.65, 0.00, 1.00, 0.00
HSL	99°, 100%, 50%
HSV	99°, 100%, 100%
XYZ	39.7845, 73.5947, 12.1083
YIQ	175.9970, -17.6770, -114.7090

# Conversions

## Conversions Part 2

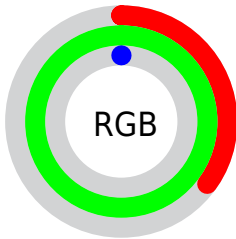
Format	Color
<a href="#">RYB</a>	<a href="#">0, 255, 167</a>
Decimal	<a href="#">5832448</a>
CIELab	<a href="#">88.73, -77.40, 84.39</a>
CIELCh	<a href="#">89, 114.515, 132.527</a>
Yxy	<a href="#">73.5947, 0.3170, 0.5865</a>
Android (android.graphics.Color)	<a href="#">4284022528 (0xFF58FF00)</a>
YUV	<a href="#">175.9970, -86.7665, -77.1734</a>
Hunter-Lab	<a href="#">85.7874, -67.3472, 51.6827</a>

# Details

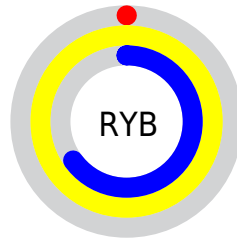
The Hex color **58FF00** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **A700FF**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **9EFF5D**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **58FF00**, and if you desaturate by 10%, it is **69FF19**.

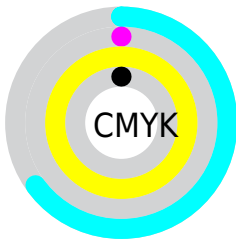
# Distribution



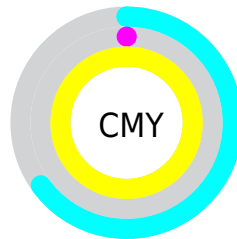
- Red (35%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (65%)



- Cyan (65%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (65%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 58FF00 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 58FF00 by changing the saturation by 10% instead.



 58FF00

 58FF00

FFFFFF

 29E200


 9EFF5D

 00C500

 BEFF7B

 00A800

 DEFF99

 008D00

 FEFFB7

 007200

 FFFFD5

 005700

 FFFFF4

 003F00

 002500

 000000

 58FF00

 69FF19

 79FF33

 8AFF4D

 9BFF66

 ACFF80

 BCFF99

 CDFFB3

 DEFFCC

 EEFFE6

# Harmonies

## Analogous

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



E2E800



58FF00



00FF99

# Triad

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



58FF00



00DFFF



FF53B6

# Complementary

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



58FF00



A700FF

# 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.



FF68FF



58FF00



00DDFF

# Square

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



58FF00



00FFFF



FFA9FF



FF8A4C

# Rectangle

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



58FF00



00FFE5



FFA9FF



FF4EDA

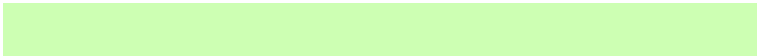


# Sweetspot

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



58FF00



CDFFB3



FFA600



618052



000000



808080



# Same Dimension

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



58FF00



00FF26



778073



42BF00



164000

# Inverse Universe

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



A700FF



FF00D9



7B7380



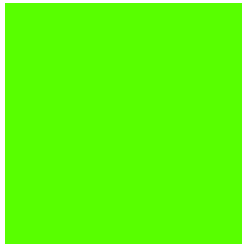
7D00BF



2A0040

# Previews

## White Background



This preview shows how the Hex color 58FF00 looks on a white background.

## Color Contrast Check

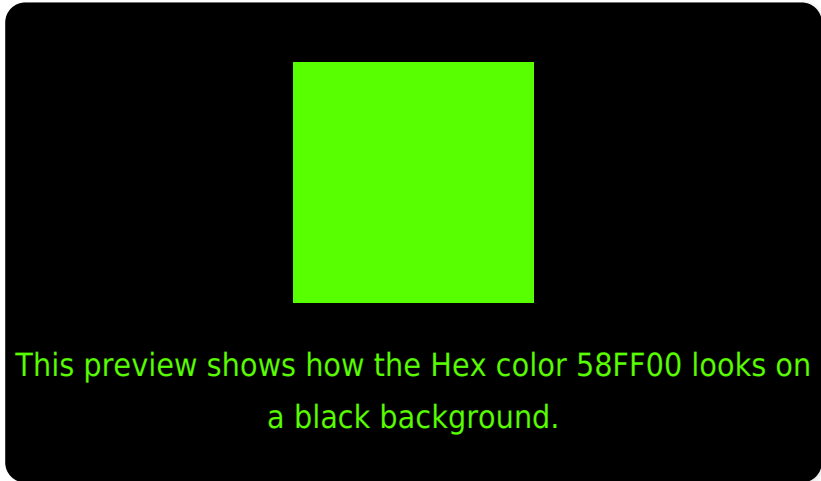
Large Text (above 18pt) WCAG AA × Fail

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 58FF00 Background



This preview shows how black text looks on a background with the Hex color 58FF00.

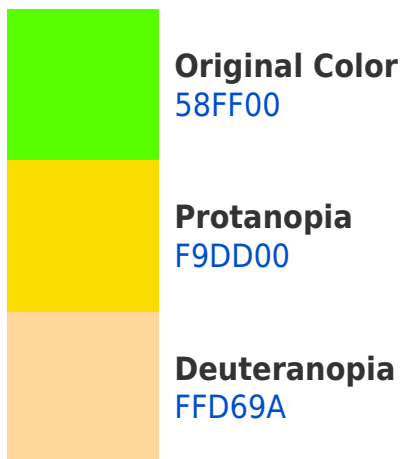


This preview shows how white text looks on a background with the Hex color 58FF00.

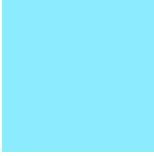
# Color Blindness Simulation

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

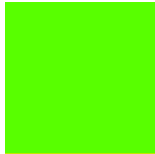






**Tritanopia**  
8BECFF

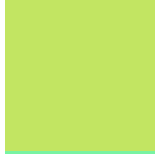
# Trichromacy



**Original Color**  
58FF00



**Protanomaly**  
BEE900



**Deuteranomaly**  
C2E562

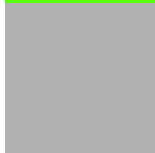


**Tritanomaly**  
78F3A2

# Monochromacy



**Original Color**  
58FF00



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
90CD70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 58FF00 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 #58FF00 looks like.

```
.text, #text, p{  
    color:#58FF00  
}
```

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 #58FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #58FF00
}
```

## Border

The CSS property to change the border of an element to Hex 58FF00 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
#58FF00 }
```

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

```
.border{ border-color:#58FF00 }
```

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

Here you see how a box with a 4 pixel #58FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #58FF00; -webkit-box-shadow:4px 4px  
4px 4px #58FF00; box-shadow:4px 4px 4px  
4px #58FF00 }
```

# Background

The CSS property to change the background color of an element to Hex 58FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#58FF00 }
```

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

```
.background{ background-color:#58FF00 }
```

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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