

# Converting Colors

Hex(59F230)

Have a look what the booklet for  
Hex(59F230) contains.

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**Color**

**Hex(59F230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59F230
RGB	89, 242, 48
RGB Percent	35%, 95%, 19%
CMY	0.6510, 0.0510, 0.8118
CMYK	0.63, 0.00, 0.80, 0.05
HSL	107°, 88%, 57%
HSV	107°, 80%, 95%
XYZ	36.4055, 65.8415, 13.5862
YIQ	174.1370, -28.9140, -92.7700

# Conversions

## Conversions Part 2

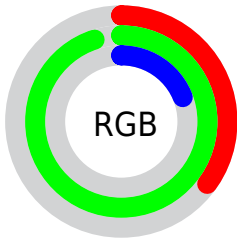
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 242, 201
Decimal	5894704
CIELab	84.92, -71.86, 74.05
CIELCh	85, 103.189, 134.141
Yxy	65.8415, 0.3143, 0.5684
Android (android.graphics.Color)	4284084784 (0xFF59F230)
YUV	174.1370, -62.1855, -74.6651
Hunter-Lab	81.1428, -61.9142, 46.8727

# Details

The Hex color **59F230** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **C930F2**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **9BFF6E**, and **00B800** is the 20% darker color. If you saturate the color by 10%, you get **46F218**, and if you desaturate by 10%, it is **6CF248**.

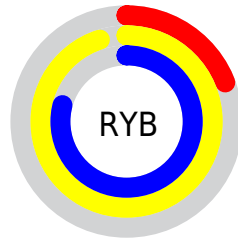
# Distribution



Red (35%)

Green (95%)

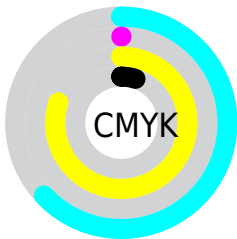
Blue (19%)



Red (19%)

Yellow (95%)

Blue (79%)

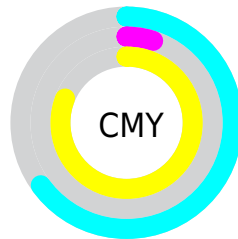


Cyan (63%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (65%)

Magenta (5%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 59F230 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 59F230 by changing the saturation by 10% instead.



 59F230

 59F230

FFFFFF

 30D500

 9BFF6E

 00B800

 BBFF8B

 009D00

 DAFFA8

 008100

 F9FFC5

 006700

 FFFFE3

 004D00

 003500

 001A00

 000000

 59F230

 59F230

 46F218

 6CF248

 33F200

 7FF260

 92F279

 A5F291

 B8F2A9

 CCF2C1

 DFF2D9

 F2F2F2

 FFF2FF

# Harmonies

## Analogous

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



D4DE00



59F230



00FC9B

# Triad

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



59F230



00EEFF



FF63AA

# Complementary

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



59F230



C930F2

# 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.



FF6FFF



59F230



00D0FF

# Square

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



59F230



00FCFF



FFA2FF



FF8E4D

# Rectangle

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



59F230



00FFDF



FFA2FF



FF5FCB

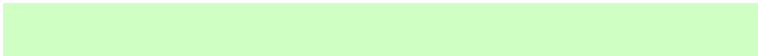


# Sweetspot

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



59F230



CFFFC2



F2C830



62805B



000000



808080



# Same Dimension

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



59F230



3EFF0A



30F267



6E786C



27B800



0C3800



# Inverse Universe

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



C930F2



CB0AFF



F230BB



756C78



9100B8

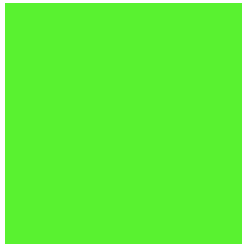


2C0038



# Previews

## White Background



This preview shows how the Hex color 59F230 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 59F230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

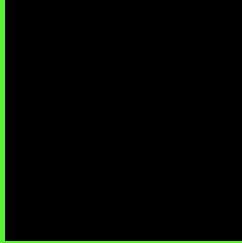
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

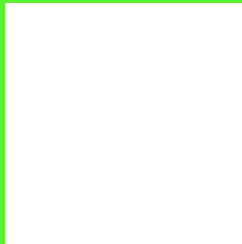
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 59F230 Background



This preview shows how black text looks on a background with the Hex color 59F230.

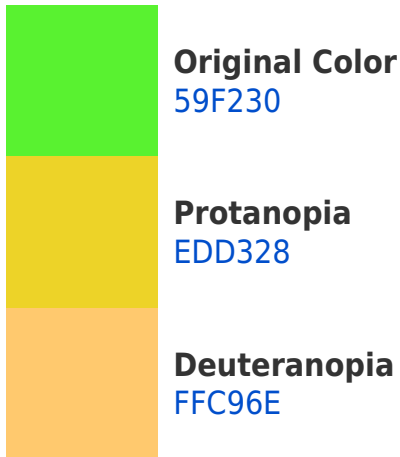


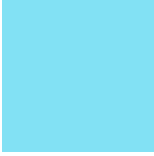
This preview shows how white text looks on a background with the Hex color 59F230.

# 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](#).

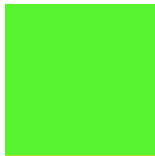
## Dichromacy





**Tritanopia**  
82E1F4

# Trichromacy



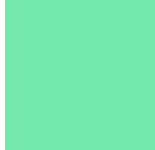
**Original Color**  
59F230



**Protanomaly**  
B7DE2B



**Deuteranomaly**  
C3D857

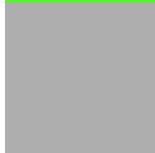


**Tritanomaly**  
73E7AD

# Monochromacy



**Original Color**  
59F230



**Achromatopsia**  
AEAEAE



**Achromatomaly**  
8FC780

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 59F230 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 #59F230 looks like.

```
.text, #text, p{  
    color:#59F230  
}
```

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 #59F230 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #59F230
}
```

## Border

The CSS property to change the border of an element to Hex 59F230 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
#59F230 }
```

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

```
.border{ border-color:#59F230 }
```

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

Here you see how a box with a 4 pixel #59F230 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #59F230; -webkit-box-shadow:4px 4px  
4px 4px #59F230; box-shadow:4px 4px 4px  
4px #59F230 }
```

# Background

The CSS property to change the background color of an element to Hex 59F230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#59F230 }
```

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

```
.background{ background-color:#59F230 }
```

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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