

# Converting Colors

Hex(5FE949)

Have a look what the booklet for  
Hex(5FE949) contains.

<b>Hex(5FE949)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(5FE949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE949
RGB	95, 233, 73
RGB Percent	37%, 91%, 29%
CMY	0.6275, 0.0863, 0.7137
CMYK	0.59, 0.00, 0.69, 0.09
HSL	112°, 78%, 60%
HSV	112°, 69%, 91%
XYZ	35.0608, 61.1918, 16.2666
YIQ	173.4980, -30.8880, -79.0160

# Conversions

## Conversions Part 2

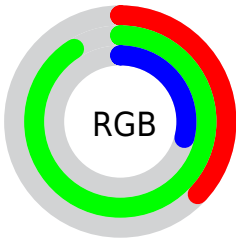
Format	Color
<a href="#">RYB</a>	<a href="#">73, 233, 211</a>
Decimal	<a href="#">6285641</a>
CIELab	<a href="#">82.48, -65.90, 63.67</a>
CIELCh	<a href="#">82, 91.636, 135.985</a>
Yxy	<a href="#">61.1918, 0.3116, 0.5438</a>
Android (android.graphics.Color)	<a href="#">4284475721 (0xFF5FE949)</a>
YUV	<a href="#">173.4980, -49.5455, -68.8427</a>
Hunter-Lab	<a href="#">78.2252, -56.8896, 42.4285</a>

# Details

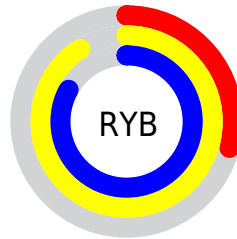
The Hex color **5FE949** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **D349E9**, and the grayscale version is **AEAFAE**.

A 20% lighter version of the original color is **9EFF81**, and **00B000** is the 20% darker color. If you saturate the color by 10%, you get **4BE932**, and if you desaturate by 10%, it is **73E960**.

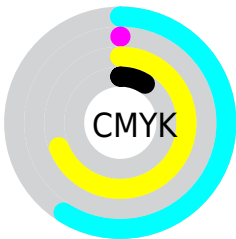
# Distribution



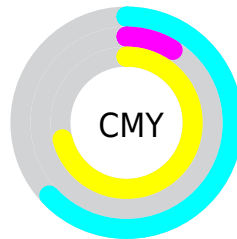
- Red (37%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (83%)



- Cyan (59%)
- Magenta (0%)
- Yellow (69%)
- Black (9%)



- Cyan (63%)
- Magenta (9%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5FE949 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 5FE949 by changing the saturation by 10% instead.



 5FE949

 5FE949

FFFFFF

 3BCC2B

 9EFF81

 00B000

 BDF9D

 009400

 DBFFBA

 007A00

 FAFFD6

 005F00

 FFFFF4

 004600

 002E00

 001000

 000000

 5FE949

 5FE949

 4BE932

 73E960

 37E91A

 87E978

 23E903

 9BE98F

 20E900

 AFE9A6

 C3E9BE

 D8E9D5

 ECE9EC

 FFE9FF

# Harmonies

## Analogous

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



CAD700



5FE949



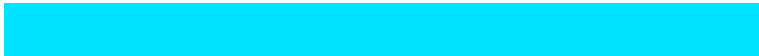
00F2A0

# Triad

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



5FE949



00E3FF



FF73A3

# Complementary

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



5FE949



D349E9

# 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.



FF79F9



5FE949



67C8FF

# Square

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



5FE949



00F1FF



FFA0FF



FF9453

# Rectangle

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



5FE949



00F4DD



FFA0FF



FF70C0

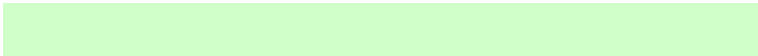


# Sweetspot

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



5FE949



D1FFC9



E9D149



648060



000000



808080



# Same Dimension

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



5FE949



4BFF2E



49E981



6B756A



19B500



073600



# Inverse Universe

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



D349E9



E22EFF



E949B1



746A75



9C00B5

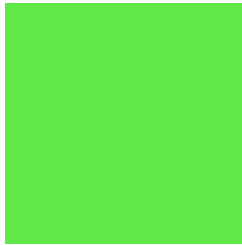


2E0036



# Previews

## White Background



This preview shows how the Hex color 5FE949 looks on a white background.

## Color Contrast Check

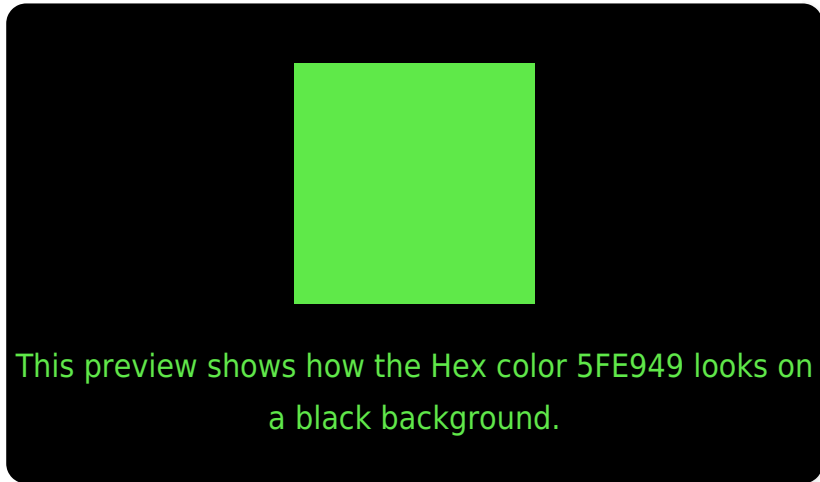
Large Text (above 18pt) WCAG AA × Fail

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 5FE949 Background



This preview shows how black text looks on a background with the Hex color 5FE949.

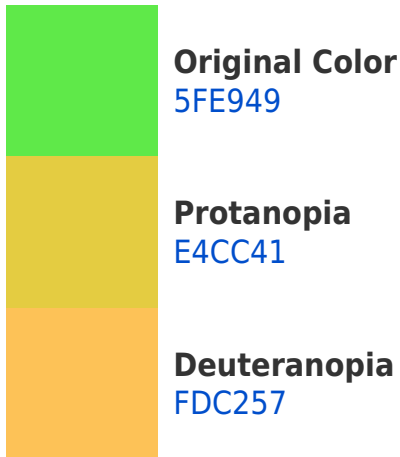


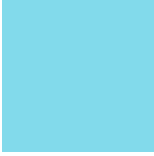
This preview shows how white text looks on a background with the Hex color 5FE949.

# 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**  
82DAEB

# Trichromacy



**Original Color**  
5FE949



**Protanomaly**  
B4D744



**Deuteranomaly**  
C4D052

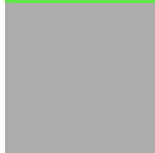


**Tritanomaly**  
75DFB0

# Monochromacy



**Original Color**  
5FE949



**Achromatopsia**  
ADADAD



**Achromatomaly**  
91C389

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5FE949 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 #5FE949 looks like.

```
.text, #text, p{  
    color:#5FE949  
}
```

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 #5FE949 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5FE949
}
```

## Border

The CSS property to change the border of an element to Hex 5FE949 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
#5FE949 }
```

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

```
.border{ border-color:#5FE949 }
```

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

Here you see how a box with a 4 pixel #5FE949 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5FE949; -webkit-box-shadow:4px 4px  
4px 4px #5FE949; box-shadow:4px 4px 4px  
4px #5FE949 }
```

# Background

The CSS property to change the background color of an element to Hex 5FE949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5FE949 }
```

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

```
.background{ background-color:#5FE949 }
```

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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