

# Converting Colors

Hex(5AF550)

Have a look what the booklet for  
Hex(5AF550) contains.

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**Color**

**Hex(5AF550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AF550
RGB	90, 245, 80
RGB Percent	35%, 96%, 31%
CMY	0.6471, 0.0392, 0.6863
CMYK	0.63, 0.00, 0.67, 0.04
HSL	116°, 89%, 64%
HSV	116°, 67%, 96%
XYZ	38.3168, 68.0577, 18.7064
YIQ	179.8450, -39.4150, -84.1750

# Conversions

## Conversions Part 2

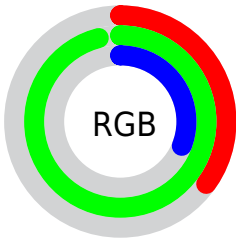
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 245, 235
Decimal	5961040
CIELab	86.04, -70.44, 64.74
CIELCh	86, 95.674, 137.416
Yxy	68.0577, 0.3063, 0.5441
Android (android.graphics.Color)	4284151120 (0xFF5AF550)
YUV	179.8450, -49.2236, -78.7941
Hunter-Lab	82.4971, -61.4632, 44.3038

# Details

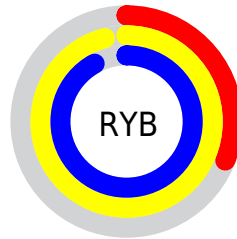
The Hex color **5AF550** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **EB50F5**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **9CFF88**, and **00BB08** is the 20% darker color. If you saturate the color by 10%, you get **43F538**, and if you desaturate by 10%, it is **71F569**.

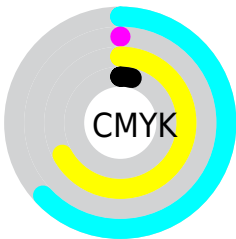
# Distribution



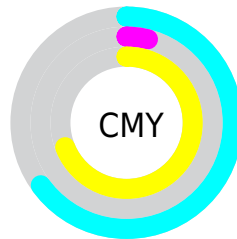
- Red (35%)
- Green (96%)
- Blue (31%)



- Red (31%)
- Yellow (96%)
- Blue (92%)



- Cyan (63%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)



- Cyan (65%)
- Magenta (4%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AF550 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 5AF550 by changing the saturation by 10% instead.



 5AF550

 5AF550

FFFFFF

 32D832

 9CFF88

 00BB08

 BBFFA4

 009F00

 DAFFC1

 008400

 F9FFDE

 006900

 FFFFFC

 005000

 003800

 001D00

 000000

 5AF550

 5AF550

 43F538

 71F569

 2CF51F

 88F581

 15F507

 9FF59A

 0FF500

 B6F5B2

 CDF5CB

 E4F5E3

 FBF5FC

 FFF5FF

# Harmonies

## Analogous

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



CFE300



5AF550



00FEAD

# Triad

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



5AF550



00EDFF



FF79A7

# Complementary

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



5AF550



EB50F5

# 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.



FF7CFF



5AF550



79CFFF

# Square

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



5AF550



00FCFF



FFA5FF



FF9D52

# Rectangle

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



5AF550



00FFEC



FFA5FF



FF74C5

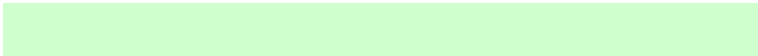


# Sweetspot

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



5AF550



CFFFCC



F5EA50



638061



000000



808080



# Same Dimension

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



5AF550



3DFF30



50F598



6F7A6E



0BBA00



043B00



# Inverse Universe

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



EB50F5



F230FF



F550AD



7A6E7A



AF00BA

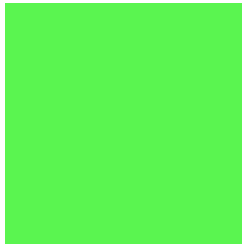


37003B



# Previews

## White Background



This preview shows how the Hex color 5AF550 looks on a white background.

## Color Contrast Check

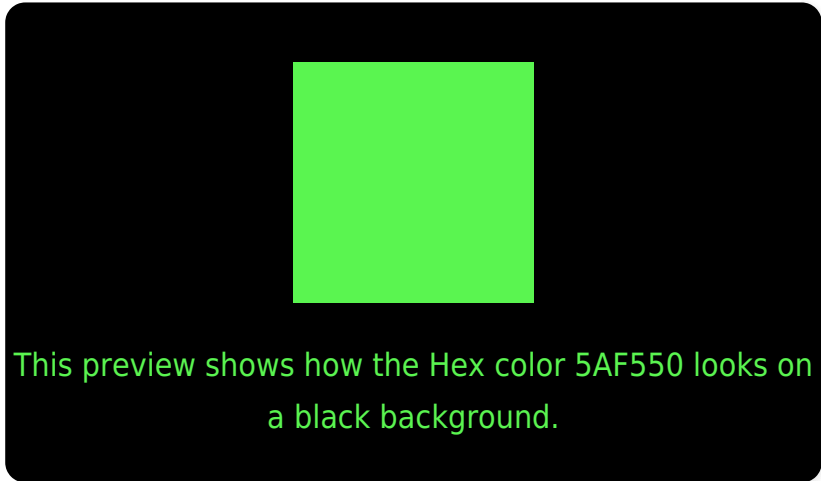
Large Text (above 18pt) WCAG AA × Fail

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

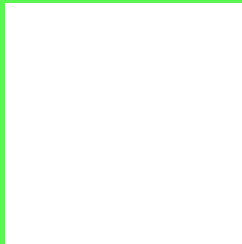
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AF550 Background



This preview shows how black text looks on a background with the Hex color 5AF550.

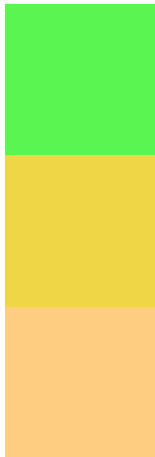


This preview shows how white text looks on a background with the Hex color 5AF550.

# 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](#).

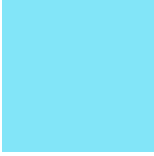
## Dichromacy



**Original Color**  
5AF550

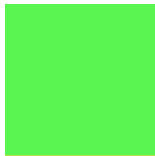
**Protanopia**  
EFD647

**Deuteranopia**  
FFCD81



**Tritanopia**  
82E5F8

# Trichromacy



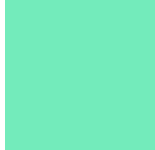
**Original Color**  
5AF550



**Protanomaly**  
B9E14A

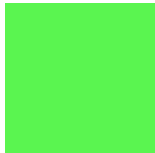


**Deuteranomaly**  
C3DC6F

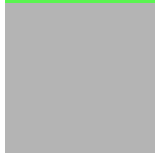


**Tritanomaly**  
73EBBB

# Monochromacy



**Original Color**  
5AF550



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
93CC90

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AF550 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 #5AF550 looks like.

```
.text, #text, p{  
    color:#5AF550  
}
```

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 #5AF550 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AF550
}
```

## Border

The CSS property to change the border of an element to Hex 5AF550 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
#5AF550 }
```

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

```
.border{ border-color:#5AF550 }
```

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

Here you see how a box with a 4 pixel #5AF550 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AF550; -webkit-box-shadow:4px 4px  
4px 4px #5AF550; box-shadow:4px 4px 4px  
4px #5AF550 }
```

# Background

The CSS property to change the background color of an element to Hex 5AF550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AF550 }
```

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

```
.background{ background-color:#5AF550 }
```

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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