

Converting Colors

Hex(5AFF51)

Have a look what the booklet for
Hex(5AFF51) contains.

Hex(5AFF51)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(5AFF51)

Conversions

Conversions Part 1

Format	Color
Hex	5AFF51
RGB	90, 255, 81
RGB Percent	35%, 100%, 32%
CMY	0.6471, 0.0000, 0.6824
CMYK	0.65, 0.00, 0.68, 0.00
HSL	117°, 100%, 66%
HSV	117°, 68%, 100%
XYZ	41.4617, 74.2877, 19.9383
YIQ	185.8290, -42.4860, -89.0940

Conversions

Conversions Part 2

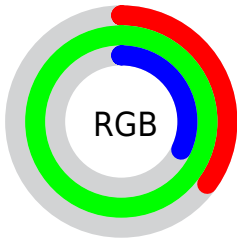
Format	Color
RYB	81, 255, 246
Decimal	5963601
CIELab	89.06, -73.63, 67.56
CIELCh	89, 99.933, 137.462
Yxy	74.2877, 0.3056, 0.5475
Android (android.graphics.Color)	4284153681 (0xFF5AFF51)
YUV	185.8290, -51.6807, -84.0420
Hunter-Lab	86.1903, -64.9661, 46.6178

Details

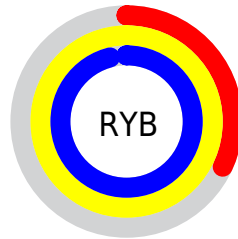
The Hex color **5AFF51** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **F651FF**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **9DFF8A**, and **00C505** is the 20% darker color. If you saturate the color by 10%, you get **42FF38**, and if you desaturate by 10%, it is **72FF6A**.

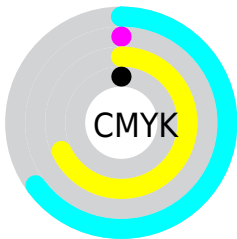
Distribution



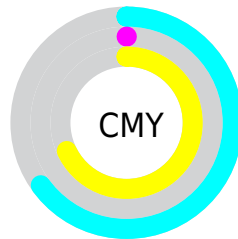
- Red (35%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (96%)



- Cyan (65%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)



- Cyan (65%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5AFF51 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 5AFF51 by changing the saturation by 10% instead.

 5AFF51

 5AFF51

FFFFFF

 2FE232

 9DFF8A

 00C505

 BDFFA6

 00A900

 DCFFC3


 008D00


 FCFFE0

 007200

FFFFFFE

 005800

 003F00

 002500

 000000

 5AFF51


 5AFF51

 42FF38

 72FF6A

 2AFF1E

 8AFF84

 11FF05

 A3FF9E

 0DFF00

 BBFFB7

 D3FFD1

 EBFFEA

FFFFFF

Harmonies

Analogous

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



D7EC00



5AFF51



00FFB3

Triad

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



5AFF51



00F6FF



FF7BAC

Complementary

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



5AFF51



F651FF

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.



FF7FFF



5AFF51



7BD8FF

Square

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



5AFF51



00FFFF



FFABFF



FFA253

Rectangle

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



5AFF51



00FFF6



FFABFF



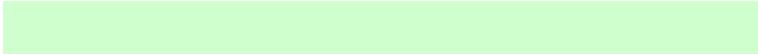
FF76CC

Sweetspot

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



5AFF51



CFFFCC



FFF351



628061



000000



808080

Same Dimension

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



5AFF51



39FF2E



51FF9C



738073



0ABF00



034000

Inverse Universe

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



F651FF



F42EFF



FF51B4



7F7380



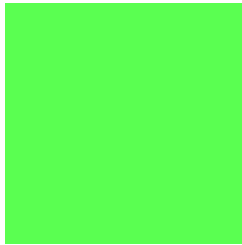
B500BF



3C0040

Previews

White Background



This preview shows how the Hex color 5AFF51 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 5AFF51 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

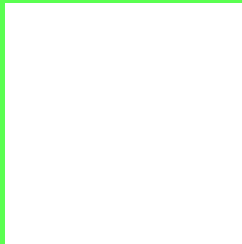
Any Text WCAG AAA ✓ Pass

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

Hex 5AFF51 Background



This preview shows how black text looks on a background with the Hex color 5AFF51.

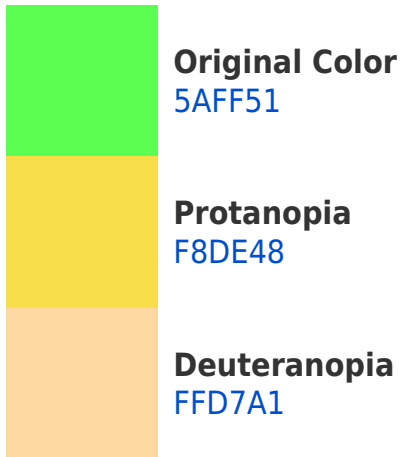


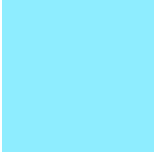
This preview shows how white text looks on a background with the Hex color 5AFF51.

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



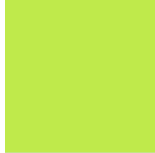


Tritanopia
8EEDFF

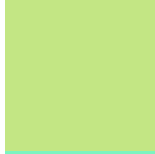
Trichromacy



Original Color
5AFF51



Protanomaly
BFEA4B

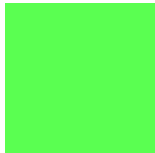


Deuteranomaly
C3E684

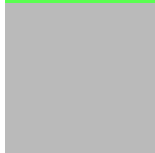


Tritanomaly
7BF4C0

Monochromacy



Original Color
5AFF51



Achromatopsia
BABABA



Achromatomaly
97D394

CSS Examples

Text

The CSS property to change the color of the text to Hex 5AFF51 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 #5AFF51 looks like.

```
.text, #text, p{  
    color:#5AFF51  
}
```

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 #5AFF51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AFF51
}
```

Border

The CSS property to change the border of an element to Hex 5AFF51 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
#5AFF51 }
```

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

```
.border{ border-color:#5AFF51 }
```

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

Here you see how a box with a 4 pixel #5AFF51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AFF51; -webkit-box-shadow:4px 4px  
4px 4px #5AFF51; box-shadow:4px 4px 4px  
4px #5AFF51 }
```

Background

The CSS property to change the background color of an element to Hex 5AFF51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AFF51 }
```

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

```
.background{ background-color:#5AFF51 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor