

# Converting Colors

Hex(0AFF51)

Have a look what the booklet for  
Hex(0AFF51) contains.

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# Color

Hex(0AFF51)

# Conversions

## Conversions Part 1

Format	Color
Hex	0AFF51
RGB	10, 255, 81
RGB Percent	4%, 100%, 32%
CMY	0.9608, 0.0000, 0.6824
CMYK	0.96, 0.00, 0.68, 0.00
HSL	137°, 100%, 52%
HSV	137°, 96%, 100%
XYZ	37.3704, 72.1786, 19.7468
YIQ	161.9090, -90.1660, -106.0540

# Conversions

## Conversions Part 2

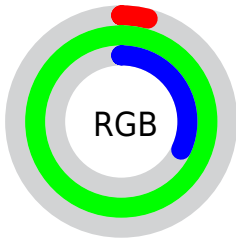
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 200, 255
Decimal	720721
CIELab	88.05, -82.21, 66.20
CIELCh	88, 105.552, 141.160
Yxy	72.1786, 0.2890, 0.5582
Android (android.graphics.Color)	4278910801 (0xFF0AFF51)
YUV	161.9090, -39.8881, -133.2242
Hunter-Lab	84.9580, -70.1599, 45.6898

# Details

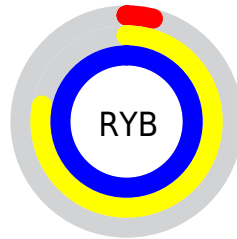
The Hex color **0AFF51** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **FF0AB8**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **77FF8A**, and **00C406** is the 20% darker color. If you saturate the color by 10%, you get **00FF4A**, and if you desaturate by 10%, it is **23FF63**.

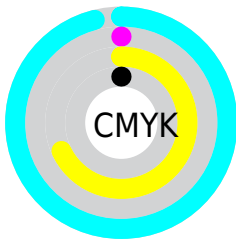
# Distribution



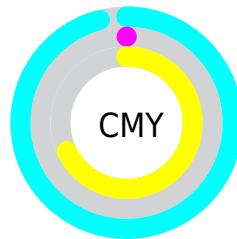
- Red (4%)
- Green (100%)
- Blue (32%)



- Red (4%)
- Yellow (78%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)



- Cyan (96%)
- Magenta (0%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0AFF51 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 0AFF51 by changing the saturation by 10% instead.



 0AFF51

 0AFF51

FFFFFF

 00E133

 77FF8A

 00C406

 9AFFA6

 00A800

 BBFC3

 008C00

 DCFFE0

 007100

 FCFFE

 005600

 003E00

 002300

 000000

 0AFF51

 0AFF51

 00FF4A

 23FF63

 3DFF75

 57FF87

 70FF99

 8AFFAC

 A3FFBE

 BDFFD0

 D6FFE2

 F0FFF4

# Harmonies

## Analogous

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



C5ED00



0AFF51



00FFBB

# Triad

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



0AFF51



00F2FF



FF719B

# Complementary

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



0AFF51



FF0AB8

# 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.



FF6DFF



0AFF51



8FCFFF

# Square

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



0AFF51



00FFFF



FF9DFF



FFA13A

# Rectangle

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



0AFF51



00FFFF



FF9DFF



FF67BC

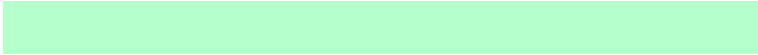


# Sweetspot

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



0AFF51



B5FFCA



BAFF0A



538060



000000



808080



# Same Dimension

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



0AFF51



00FF4A



0AFFCA



738076



00BF37



004012



# Inverse Universe

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



FF0AB8



FF00B5



FF0A3F



80737C



BF0088

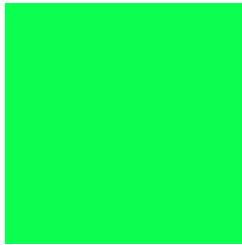


40002D



# Previews

## White Background



This preview shows how the Hex color 0AFF51 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 0AFF51 Background



This preview shows how black text looks on a background with the Hex color 0AFF51.

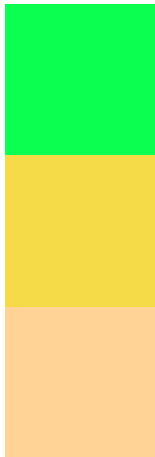


This preview shows how white text looks on a background with the Hex color 0AFF51.

# 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](#).

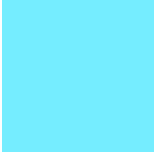
## Dichromacy



**Original Color**  
0AFF51

**Protanopia**  
F5DB47

**Deuteranopia**  
FFD396



**Tritanopia**  
75EDFF

# Trichromacy



**Original Color**  
0AFF51



**Protanomaly**  
A0E84B

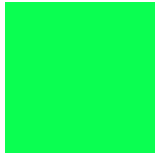


**Deuteranomaly**  
A6E37D



**Tritanomaly**  
4EF4C0

# Monochromacy



**Original Color**  
0AFF51



**Achromatopsia**  
A2A2A2



**Achromatomaly**  
6BC485

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0AFF51 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 #0AFF51 looks like.

```
.text, #text, p{  
    color:#0AFF51  
}
```

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 #0AFF51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AFF51
}
```

## Border

The CSS property to change the border of an element to Hex 0AFF51 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
#0AFF51 }
```

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

```
.border{ border-color:#0AFF51 }
```

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

Here you see how a box with a 4 pixel #0AFF51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AFF51; -webkit-box-shadow:4px 4px  
4px 4px #0AFF51; box-shadow:4px 4px 4px  
4px #0AFF51 }
```

# Background

The CSS property to change the background color of an element to Hex 0AFF51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AFF51 }
```

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

```
.background{ background-color:#0AFF51 }
```

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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