

# Converting Colors

Hex(3AF30C)

Have a look what the booklet for  
Hex(3AF30C) contains.

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# Color

Hex(3AF30C)

# Conversions

## Conversions Part 1

Format	Color
Hex	3AF30C
RGB	58, 243, 12
RGB Percent	23%, 95%, 5%
CMY	0.7725, 0.0471, 0.9529
CMYK	0.76, 0.00, 0.95, 0.05
HSL	108°, 91%, 50%
HSV	108°, 95%, 95%
XYZ	33.8619, 65.0273, 11.1146
YIQ	161.3510, -36.1090, -111.0610

# Conversions

## Conversions Part 2

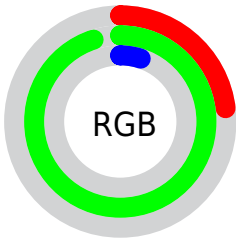
Format	Color
<a href="#">RYB</a>	<a href="#">12, 243, 197</a>
Decimal	<a href="#">3863308</a>
CIELab	<a href="#">84.50, -78.73, 79.80</a>
CIELCh	<a href="#">84, 112.098, 134.611</a>
Yxy	<a href="#">65.0273, 0.3078, 0.5911</a>
Android (android.graphics.Color)	<a href="#">4282053388 (0xFF3AF30C)</a>
YUV	<a href="#">161.3510, -73.6300, -90.6388</a>
Hunter-Lab	<a href="#">80.6395, -66.1640, 48.2756</a>

# Details

The Hex color **3AF30C** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **C50CF3**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **87FF5D**, and **00B900** is the 20% darker color. If you saturate the color by 10%, you get **30F300**, and if you desaturate by 10%, it is **4DF324**.

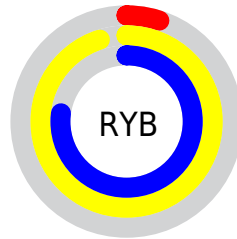
# Distribution



Red (23%)

Green (95%)

Blue (5%)



Red (5%)

Yellow (95%)

Blue (77%)

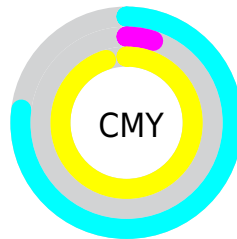


Cyan (76%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (77%)

Magenta (5%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3AF30C 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 3AF30C by changing the saturation by 10% instead.



 3AF30C

 3AF30C

FFFFFF

 00D600

 87FF5D

 00B900

 A8FF7B

 009D00

 C9FF98

 008200

 E9FFB6

 006700

 FFFFD4

 004D00

 FFFFF2

 003400

 001800

 000000

 3AF30C

 3AF30C

 30F300

 4DF324

 61F33D

 74F355

 88F36D

 9BF385

 AFF39E

 C2F3B6

 D6F3CE

 E9F3E7

# Harmonies

## Analogous

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



CEDE00



3AF30C



00FD97

# Triad

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



3AF30C



00EFFF



FF49A4

# Complementary

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



3AF30C



C50CF3

# 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.



FF59FF



3AF30C



00CFFF

# Square

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



3AF30C



00DFF



FF9AFF



FF843D

# Rectangle

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



3AF30C



00FFE1



FF9AFF



FF41C7

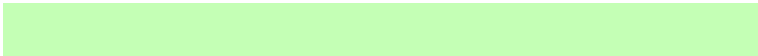


# Sweetspot

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



3AF30C



C4FFB5



F3C50C



5C8053



000000



808080



# Same Dimension

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



3AF30C



33FF00



0CF351



717A6E



25BA00



0C3B00



# Inverse Universe

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



C50CF3



CC00FF



F30CAE



786E7A



9500BA

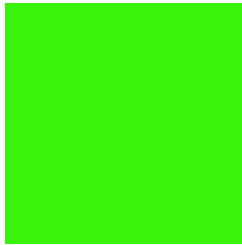


2F003B



# Previews

## White Background



This preview shows how the Hex color 3AF30C looks on a white background.

## Color Contrast Check

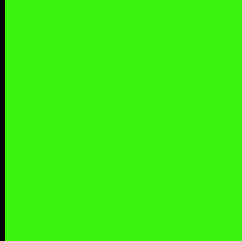
Large Text (above 18pt) WCAG AA × Fail

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 3AF30C 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

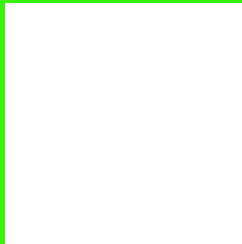
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3AF30C Background



This preview shows how black text looks on a background with the Hex color 3AF30C.

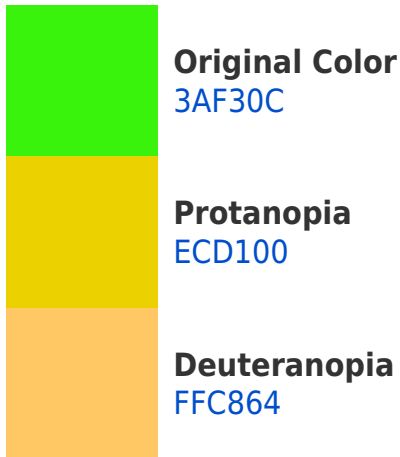


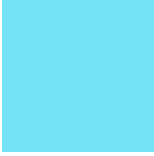
This preview shows how white text looks on a background with the Hex color 3AF30C.

# 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](#).

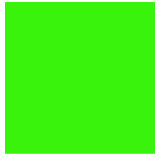
## Dichromacy





**Tritanopia**  
72E2F4

# Trichromacy



**Original Color**  
3AF30C



**Protanomaly**  
ABDD04

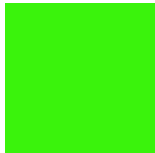


**Deuteranomaly**  
B7D844

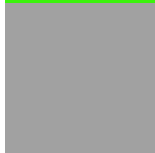


**Tritanomaly**  
5EE8A0

# Monochromacy



**Original Color**  
3AF30C



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
7CBF6B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3AF30C 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 #3AF30C looks like.

```
.text, #text, p{  
    color:#3AF30C  
}
```

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 #3AF30C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3AF30C
}
```

## Border

The CSS property to change the border of an element to Hex 3AF30C 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".

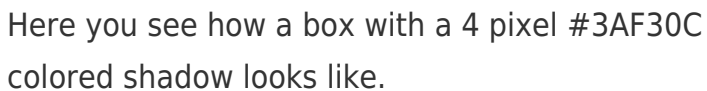
```
.border, #border, table{ border:4px solid
#3AF30C }
```

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

```
.border{ border-color:#3AF30C }
```

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

Here you see how a box with a 4 pixel #3AF30C colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3AF30C; -webkit-box-shadow:4px 4px  
4px 4px #3AF30C; box-shadow:4px 4px 4px  
4px #3AF30C }
```

# Background

The CSS property to change the background color of an element to Hex 3AF30C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3AF30C }
```

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

```
.background{ background-color:#3AF30C }
```

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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