

# Converting Colors

Hex(3DF031)

Have a look what the booklet for  
Hex(3DF031) contains.

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**Color**

**Hex(3DF031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DF031
RGB	61, 240, 49
RGB Percent	24%, 94%, 19%
CMY	0.7608, 0.0588, 0.8078
CMYK	0.75, 0.00, 0.80, 0.06
HSL	116°, 86%, 57%
HSV	116°, 80%, 94%
XYZ	33.6389, 63.5340, 13.3961
YIQ	164.7050, -45.3730, -97.3490

# Conversions

## Conversions Part 2

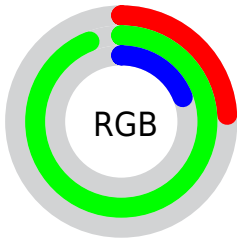
Format	Color
<a href="#">RYB</a>	49, 240, 228
Decimal	4059185
CIELab	83.72, -76.16, 72.46
CIELCh	84, 105.127, 136.426
Yxy	63.5340, 0.3042, 0.5746
Android (android.graphics.Color)	4282249265 (0xFF3DF031)
YUV	164.7050, -57.0426, -90.9493
Hunter-Lab	79.7082, -64.1578, 45.8313

# Details

The Hex color **3DF031** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **E431F0**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **87FF6F**, and **00B600** is the 20% darker color. If you saturate the color by 10%, you get **27F019**, and if you desaturate by 10%, it is **53F049**.

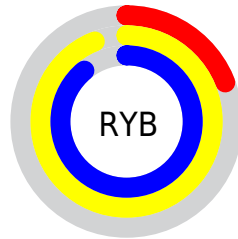
# Distribution



Red (24%)

Green (94%)

Blue (19%)



Red (19%)

Yellow (94%)

Blue (89%)

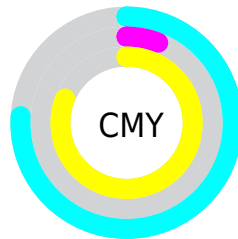


Cyan (75%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (76%)

Magenta (6%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3DF031 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 3DF031 by changing the saturation by 10% instead.



 3DF031

 3DF031


FFFFFF

 00D300

 87FF6F

 00B600

 A8FF8B

 009A00

 C8FFA8

 007F00

 E8FFC5

 006400

 FFFF E3

 004A00

 003200

 001500

 000000

 3DF031

 3DF031

 27F019

 53F049

 10F001

 6AF061

 0FF000

 80F079

 97F091

 ADF0A9

 C4F0C1

 DAF0D9

 F1F0F1

 FFF0FF

# Harmonies

## Analogous

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



C8DD00



3DF031



00F99F

# Triad

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



3DF031



00E9FF



FF5C9F

# Complementary

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



3DF031



E431F0

# 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.



FF63FF



3DF031



37CAFF

# Square

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



3DF031



00F8FF



FF99FF



FF8C3F

# Rectangle

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



3DF031



00FCE4



FF99FF



FF55C0

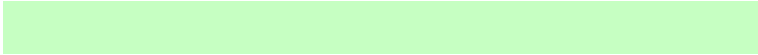


# Sweetspot

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



3DF031



C6FFC2



F0E331



5D805B



000000



808080



# Same Dimension

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



3DF031



1AFF0A



31F084



6D786C



0CB800



043800



# Inverse Universe

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



E431F0



F00AFF



F0319D



776C78



AC00B8

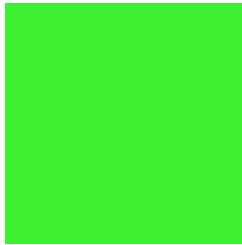


350038



# Previews

## White Background



This preview shows how the Hex color 3DF031 looks on a white background.

## Color Contrast Check

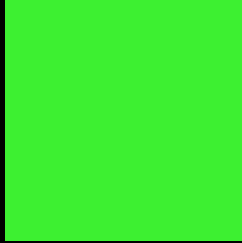
Large Text (above 18pt) WCAG AA × Fail

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 3DF031 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

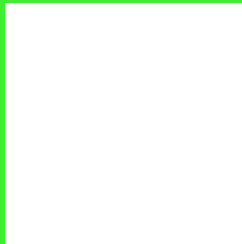
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3DF031 Background



This preview shows how black text looks on a background with the Hex color 3DF031.

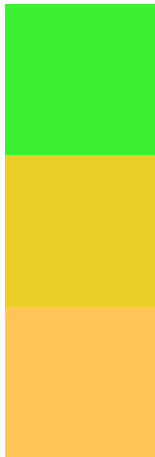


This preview shows how white text looks on a background with the Hex color 3DF031.

# 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](#).

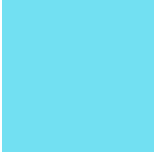
## Dichromacy



**Original Color**  
3DF031

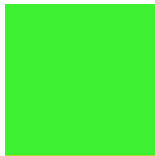
**Protanopia**  
E9CF28

**Deuteranopia**  
FFC559



**Tritanopia**  
72E0F2

# Trichromacy



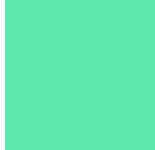
**Original Color**  
3DF031



**Protanomaly**  
AADB2B

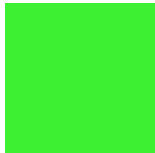


**Deuteranomaly**  
B8D54A

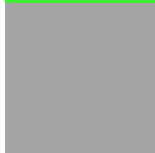


**Tritanomaly**  
5FE6AC

# Monochromacy



**Original Color**  
3DF031



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
7FC07B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3DF031 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 #3DF031 looks like.

```
.text, #text, p{  
    color:#3DF031  
}
```

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 #3DF031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DF031
}
```

## Border

The CSS property to change the border of an element to Hex 3DF031 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
#3DF031 }
```

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

```
.border{ border-color:#3DF031 }
```

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

Here you see how a box with a 4 pixel #3DF031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DF031; -webkit-box-shadow:4px 4px  
4px 4px #3DF031; box-shadow:4px 4px 4px  
4px #3DF031 }
```

# Background

The CSS property to change the background color of an element to Hex 3DF031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DF031 }
```

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

```
.background{ background-color:#3DF031 }
```

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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