

# Converting Colors

Hex(3FD300)

Have a look what the booklet for  
Hex(3FD300) contains.

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**Color**

**Hex(3FD300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FD300
RGB	63, 211, 0
RGB Percent	25%, 83%, 0%
CMY	0.7529, 0.1725, 1.0000
CMYK	0.70, 0.00, 1.00, 0.17
HSL	102°, 100%, 41%
HSV	102°, 100%, 83%
XYZ	25.3442, 47.6453, 7.8607
YIQ	142.6940, -20.4770, -96.9970

# Conversions

## Conversions Part 2

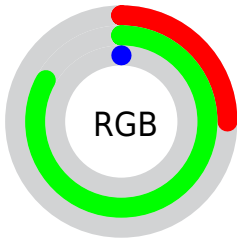
Format	Color
<a href="#">RYB</a>	0, 211, 148
Decimal	4182784
CIELab	74.60, -68.70, 72.93
CIELCh	75, 100.190, 133.288
Yxy	47.6453, 0.3135, 0.5893
Android (android.graphics.Color)	4282372864 (0xFF3FD300)
YUV	142.6940, -70.3481, -69.8916
Hunter-Lab	69.0256, -55.2548, 41.5659

# Details

The Hex color **3FD300** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9400D3**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **84FF53**, and **009B00** is the 20% darker color. If you saturate the color by 10%, you get **3FD300**, and if you desaturate by 10%, it is **4ED315**.

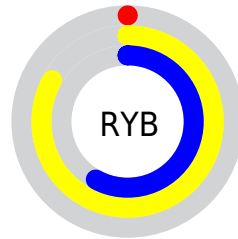
# Distribution



Red (25%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (58%)

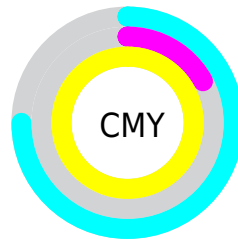


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (75%)

Magenta (17%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3FD300 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 3FD300 by changing the saturation by 10% instead.



 3FD300

 3FD300

FFFFFF

 00B700

 84FF53

 009B00

 A3FF71

 008000

 C2FF8D

 006500

 E1FFAA

 004C00

 FFFFC7

 003400

 FFFF E5

 001900

 000000

 3FD300

 4ED315

 5DD32A

 6BD33F

 7AD354

 89D36A

 98D37F

 A7D394

 B5D3A9

 C4D3BE

# Harmonies

## Analogous

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



B8C000



3FD300



00DC7F

# Triad

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



3FD300



00D1FF



FF4093

# Complementary

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



3FD300



9400D3

# 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.



FF51EF



3FD300



00B5FF

# Square

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



3FD300



00DDFF



EC89FF



FF7139

# Rectangle

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



3FD300



00DFC0



EC89FF



FF3BB2

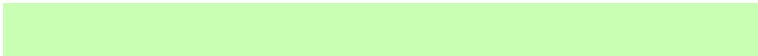


# Sweetspot

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



3FD300



C9FFB3



D39400



5F8052



000000



808080



# Same Dimension

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



3FD300



4CFF00



00D32A



61695E



32A800



0C2900



# Inverse Universe

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



9400D3



B300FF



D300A9



655E69



7600A8

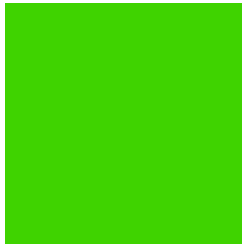


1D0029



# Previews

## White Background



This preview shows how the Hex color 3FD300 looks on a white background.

## Color Contrast Check

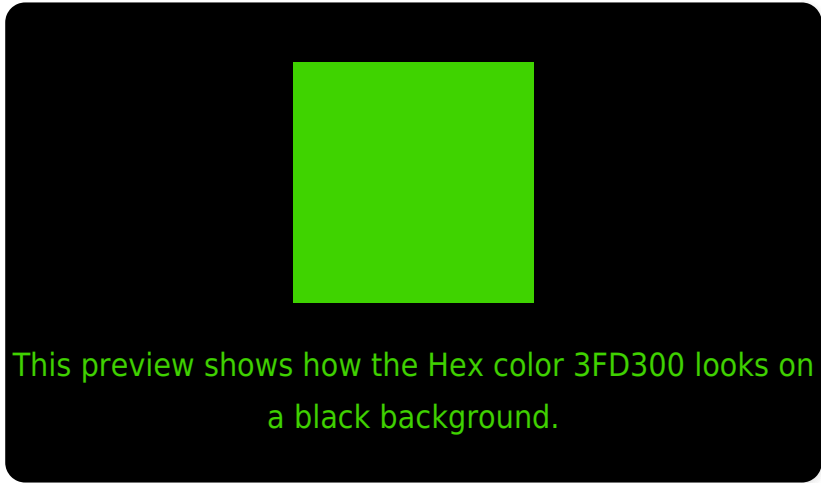
Large Text (above 18pt) WCAG AA × Fail

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

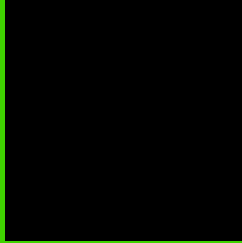
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 3FD300 Background



This preview shows how black text looks on a background with the Hex color 3FD300.



This preview shows how white text looks on a background with the Hex color 3FD300.

# 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](#).

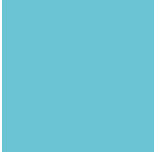
## Dichromacy



**Original Color**  
3FD300

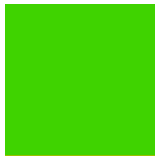
**Protanopia**  
CDB600

**Deuteranopia**  
E5AD2D



**Tritanopia**  
6AC4D4

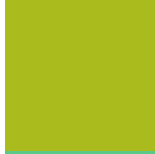
# Trichromacy



**Original Color**  
3FD300



**Protanomaly**  
99C100



**Deuteranomaly**  
A9BB1D



**Tritanomaly**  
5AC987

# Monochromacy



**Original Color**  
3FD300



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
72A85B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3FD300 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 #3FD300 looks like.

```
.text, #text, p{  
    color:#3FD300  
}
```

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 #3FD300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3FD300
}
```

## Border

The CSS property to change the border of an element to Hex 3FD300 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
#3FD300 }
```

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

```
.border{ border-color:#3FD300 }
```

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

Here you see how a box with a 4 pixel #3FD300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3FD300; -webkit-box-shadow:4px 4px  
4px 4px #3FD300; box-shadow:4px 4px 4px  
4px #3FD300 }
```

# Background

The CSS property to change the background color of an element to Hex 3FD300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3FD300 }
```

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

```
.background{ background-color:#3FD300 }
```

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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