

# Converting Colors

Hex(3FD600)

Have a look what the booklet for  
Hex(3FD600) contains.

<b>Hex(3FD600)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(3FD600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FD600
RGB	63, 214, 0
RGB Percent	25%, 84%, 0%
CMY	0.7529, 0.1608, 1.0000
CMYK	0.71, 0.00, 1.00, 0.16
HSL	102°, 100%, 42%
HSV	102°, 100%, 84%
XYZ	26.0965, 49.1499, 8.1115
YIQ	144.4550, -21.3020, -98.5660

# Conversions

## Conversions Part 2

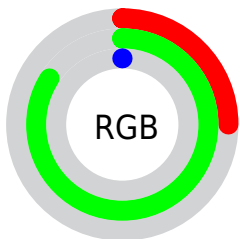
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 214, 151</a>
Decimal	<a href="#">4183552</a>
CIELab	<a href="#">75.54, -69.61, 73.68</a>
CIELCh	<a href="#">76, 101.365, 133.374</a>
Yxy	<a href="#">49.1499, 0.3131, 0.5896</a>
Android (android.graphics.Color)	<a href="#">4282373632 (0xFF3FD600)</a>
YUV	<a href="#">144.4550, -71.2163, -71.4360</a>
Hunter-Lab	<a href="#">70.1070, -56.2428, 42.2150</a>

# Details

The Hex color **3FD600** 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 **9700D6**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **85FF54**, and **009E00** is the 20% darker color. If you saturate the color by 10%, you get **3FD600**, and if you desaturate by 10%, it is **4ED615**.

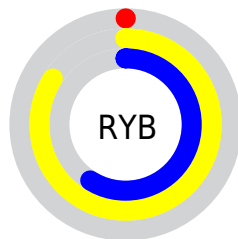
# Distribution



Red (25%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (59%)

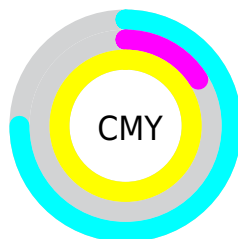


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (75%)

Magenta (16%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3FD600 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 3FD600 by changing the saturation by 10% instead.



 3FD600

 3FD600

FFFFFF

 00BA00

 85FF54

 009E00

 A4FF71

 008300

 C3FF8E

 006800

 E2FFAB

 004E00

 FFFFC8

 003700

 FFFFE6

 001C00

 000000

 3FD600

 4ED615

 5DD62B

 6CD640

 7BD656

 8BD66B

 9AD680

 A9D696

 B8D6AB

 C7D6C1

# Harmonies

## Analogous

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



BAC300



3FD600



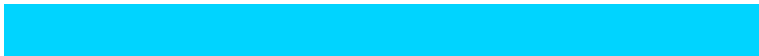
00DF81

# Triad

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



3FD600



00D4FF



FF4095

# Complementary

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



3FD600



9700D6

# 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.



FF51F2



3FD600



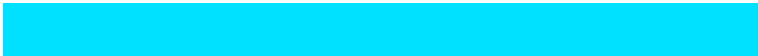
00B8FF

# Square

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



3FD600



00E0FF



EF8AFF



FF723A

# Rectangle

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



3FD600



00E2C3



EF8AFF



FF3BB4

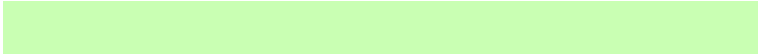


# Sweetspot

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



3FD600



C9FFB3



D69600



5F8052



000000



808080



# Same Dimension

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



3FD600



4BFF00



00D62B



646B60



32AB00



0D2B00



# Inverse Universe

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



9700D6



B400FF



D600AB



68606B



7900AB

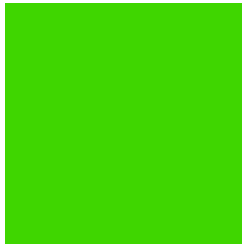


1F002B



# Previews

## White Background



This preview shows how the Hex color 3FD600 looks on a white background.

## Color Contrast Check

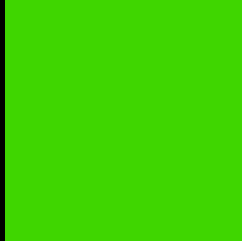
Large Text (above 18pt) WCAG AA × Fail

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 3FD600 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 3FD600 Background



This preview shows how black text looks on a background with the Hex color 3FD600.

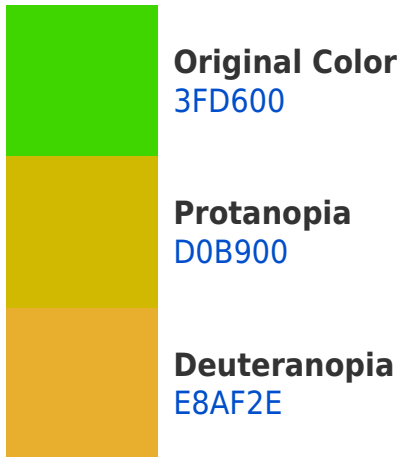


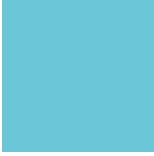
This preview shows how white text looks on a background with the Hex color 3FD600.

# 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](#).

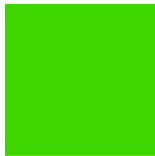
## Dichromacy





**Tritanopia**  
6BC7D7

# Trichromacy



**Original Color**  
3FD600



**Protanomaly**  
9BC400



**Deuteranomaly**  
ABBD1D



**Tritanomaly**  
5BCC89

# Monochromacy



**Original Color**  
3FD600



**Achromatopsia**  
909090



**Achromatomaly**  
73A95C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3FD600 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 #3FD600 looks like.

```
.text, #text, p{  
    color:#3FD600  
}
```

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 #3FD600 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3FD600
}
```

## Border

The CSS property to change the border of an element to Hex 3FD600 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
#3FD600 }
```

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

```
.border{ border-color:#3FD600 }
```

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

Here you see how a box with a 4 pixel #3FD600 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3FD600; -webkit-box-shadow:4px 4px  
4px 4px #3FD600; box-shadow:4px 4px 4px  
4px #3FD600 }
```

# Background

The CSS property to change the background color of an element to Hex 3FD600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3FD600 }
```

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

```
.background{ background-color:#3FD600 }
```

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