

# Converting Colors

Hex(0042FC)

Have a look what the booklet for  
Hex(0042FC) contains.

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**Color**

**Hex(0042FC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0042FC
RGB	0, 66, 252
RGB Percent	0%, 26%, 99%
CMY	1.0000, 0.7412, 0.0118
CMYK	1.00, 0.74, 0.00, 0.01
HSL	224°, 100%, 49%
HSV	224°, 100%, 99%
XYZ	19.5189, 10.9247, 93.1754
YIQ	67.4700, -99.0420, 43.8540

# Conversions

## Conversions Part 2

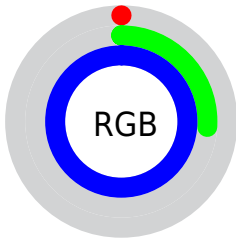
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 252
Decimal	17148
CIELab	39.45, 55.97, -94.27
CIELCh	39, 109.632, 300.698
Yxy	10.9247, 0.1579, 0.0884
Android (android.graphics.Color)	4278207228 (0xFF0042FC)
YUV	67.4700, 90.9733, -59.1712
Hunter-Lab	33.0525, 47.5697, -144.0022

# Details

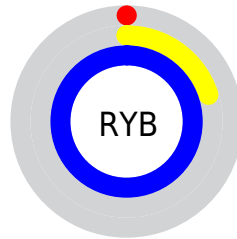
The Hex color **0042FC** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **FCBA00**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **7473FF**, and **0015C2** is the 20% darker color. If you saturate the color by 10%, you get **0042FC**, and if you desaturate by 10%, it is **1955FC**.

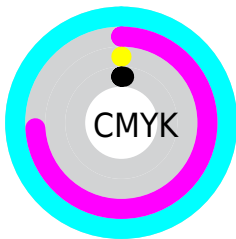
# Distribution



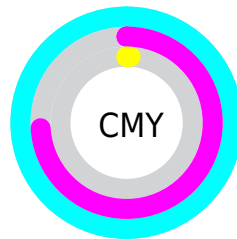
- Red (0%)
- Green (26%)
- Blue (99%)



- Red (0%)
- Yellow (20%)
- Blue (99%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (74%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0042FC 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 0042FC by changing the saturation by 10% instead.



 0042FC

 0042FC

FFFFFF

 002BDF

 7473FF

 0015C2

 978DFF

 0004A6

 B9A8FF

 00008A

 D9C3FF


 000C6F

 FAE0FF

 000C56

 FFFCFF

 00063E

 000327

 000110

 0042FC

 1955FC

 3267FC

 4C7AFC

 658CFC

 7E9FFC

 97B2FC

 B0C4FC

 CAD7FC

 E3E9FC

# Harmonies

## Analogous

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



006DFF



0042FC



C000B7

# Triad

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



0042FC



B32700



007A5D

# Complementary

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



0042FC



FCBA00

# 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.



007700



0042FC



705C00

# Square

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



0042FC



DF0008



006F00



007CB8

# Rectangle

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



0042FC



E3007D



006F00



00793D



# Sweetspot

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



0042FC



B3C7FF



00FCB9



525E80



000000



808080



# Same Dimension

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



0042FC



0043FF



3B00FC



70747D



0031BD



00103D



# Inverse Universe

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



FC0042



FF0043



C1FC00



7D7074



BD0031



3D0010



# Previews

## White Background



This preview shows how the Hex color 0042FC looks on a white background.

## Color Contrast Check

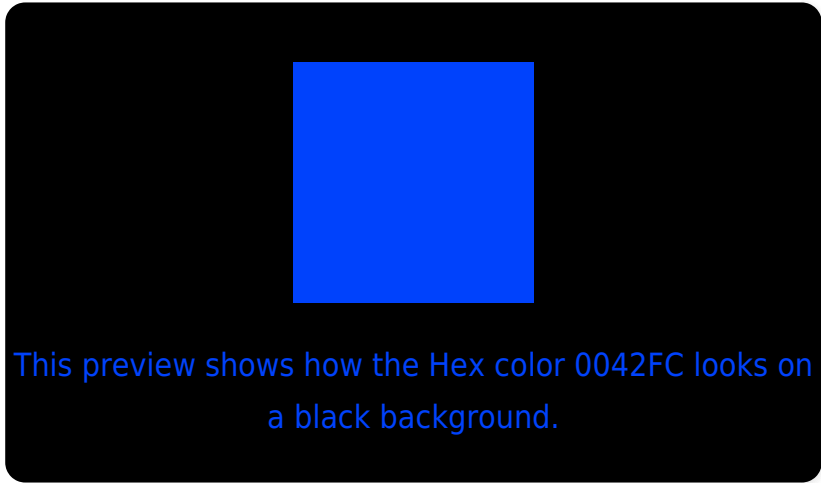
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

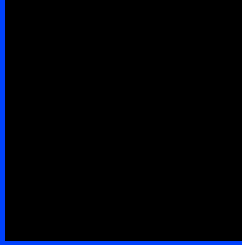
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0042FC Background



This preview shows how black text looks on a background with the Hex color 0042FC.



This preview shows how white text looks on a background with the Hex color 0042FC.

# 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**  
0042FC

**Protanopia**  
0059BB

**Deuteranopia**  
005F9F



**Tritanopia**  
00666C

# Trichromacy



**Original Color**  
0042FC

**Protanomaly**  
0051D3

**Deuteranomaly**  
0054C1

**Tritanomaly**  
0059A0

# Monochromacy



**Original Color**  
0042FC

**Achromatopsia**  
434343

**Achromatomaly**  
2B4386

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0042FC 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 #0042FC looks like.

```
.text, #text, p{  
    color:#0042FC  
}
```

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 #0042FC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0042FC
}
```

## Border

The CSS property to change the border of an element to Hex 0042FC 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
#0042FC }
```

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

```
.border{ border-color:#0042FC }
```

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

Here you see how a box with a 4 pixel #0042FC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0042FC; -webkit-box-shadow:4px 4px  
4px 4px #0042FC; box-shadow:4px 4px 4px  
4px #0042FC }
```

# Background

The CSS property to change the background color of an element to Hex 0042FC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0042FC }
```

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

```
.background{ background-color:#0042FC }
```

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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