

# Converting Colors

Hex(003CFE)

Have a look what the booklet for  
Hex(003CFE) contains.

<b>Hex(003CFE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

# Color

**Hex(003CFE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003CFE
RGB	0, 60, 254
RGB Percent	0%, 24%, 100%
CMY	1.0000, 0.7647, 0.0039
CMYK	1.00, 0.76, 0.00, 0.00
HSL	226°, 100%, 50%
HSV	226°, 100%, 100%
XYZ	19.5053, 10.3875, 94.7429
YIQ	64.1760, -98.0340, 47.6140

# Conversions

## Conversions Part 2

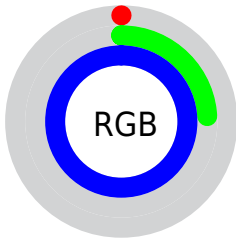
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 49, 254
Decimal	15614
CIE Lab	38.53, 59.88, -96.92
CIE LCh	39, 113.930, 301.710
Yxy	10.3875, 0.1565, 0.0833
Android (android.graphics.Color)	4278205694 (0xFF003CFE)
YUV	64.1760, 93.5832, -56.2824
Hunter-Lab	32.2296, 51.6258, -151.7295

# Details

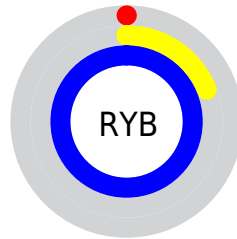
The Hex color **003CFE** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **FEC200**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **756DFF**, and **000DC4** is the 20% darker color. If you saturate the color by 10%, you get **003CFE**, and if you desaturate by 10%, it is **194FFE**.

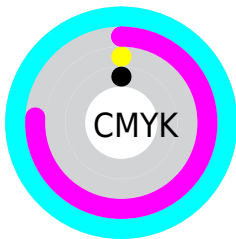
# Distribution



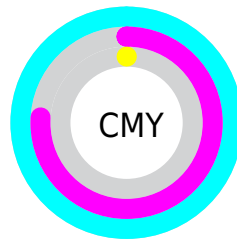
- Red (0%)
- Green (24%)
- Blue (100%)



- Red (0%)
- Yellow (19%)
- Blue (100%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003CFE 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 003CFE by changing the saturation by 10% instead.



 003CFE

 003CFE

FFFFFF

 0024E0

 756DFF

 000DC4

 9987FF

 0000A7

 BAA2FF

 00008C

 DBBEFF

 000D71

 FBDAFF

 000C57

 FFF7FF

 00063F

 000328

 000112

 003CFE

 194FFE

 3363FE

 4C76FE

 668AFE

 7F9DFE

 98B0FE

 B2C4FE

 CBD7FE

 E5EBFE

# Harmonies

## Analogous

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



006BFF



003CFE



C400B5

# Triad

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



003CFE



B02300



00785E

# Complementary

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



003CFE



FEC200

# 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.



007500



003CFE



6B5A00

# Square

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



003CFE



DF0000



006E00



007ABC

# Rectangle

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



003CFE



E50079



006E00



00773D



# Sweetspot

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



003CFE



B3C5FF



00FEBF



525C80



000000



808080



# Same Dimension

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



003CFE



003CFF



4000FE



737680



002DBF



000F40



# Inverse Universe

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



FE003C



FF003C



BFFE00



807376



BF002D



40000F



# Previews

## White Background



This preview shows how the Hex color 003CFE looks on a white background.

## Color Contrast Check

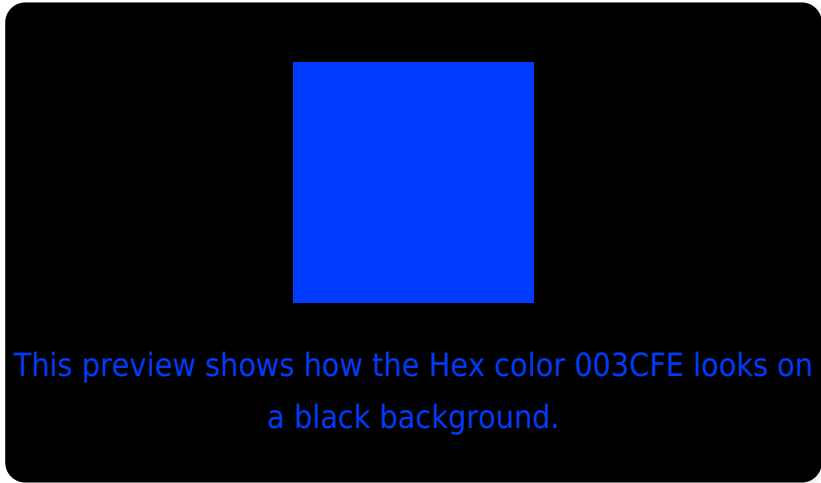
Large Text (above 18pt) WCAG AA ✓ Pass

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 003CFE Background



This preview shows how black text looks on a background with the Hex color 003CFE.



This preview shows how white text looks on a background with the Hex color 003CFE.

# 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



# Trichromacy



**Original Color**  
003CFE

**Protanomaly**  
004DD0

**Deuteranomaly**  
0051BF

# Monochromacy



**Original Color**  
003CFE

**Achromatopsia**  
404040

**Achromatomaly**  
293F85

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003CFE 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 #003CFE looks like.

```
.text, #text, p{  
    color:#003CFE  
}
```

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 #003CFE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003CFE
}
```

## Border

The CSS property to change the border of an element to Hex 003CFE 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
#003CFE }
```

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

```
.border{ border-color:#003CFE }
```

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

Here you see how a box with a 4 pixel #003CFE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003CFE; -webkit-box-shadow:4px 4px  
4px 4px #003CFE; box-shadow:4px 4px 4px  
4px #003CFE }
```

# Background

The CSS property to change the background color of an element to Hex 003CFE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003CFE }
```

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

```
.background{ background-color:#003CFE }
```

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