

# Converting Colors

Hex(002DFD)

Have a look what the booklet for  
Hex(002DFD) contains.

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# Color

**Hex(002DFD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002DFD
RGB	0, 45, 253
RGB Percent	0%, 18%, 99%
CMY	1.0000, 0.8235, 0.0078
CMYK	1.00, 0.82, 0.00, 0.01
HSL	229°, 100%, 50%
HSV	229°, 100%, 99%
XYZ	18.6680, 8.9686, 93.6757
YIQ	55.2570, -93.5880, 55.1480

# Conversions

## Conversions Part 2

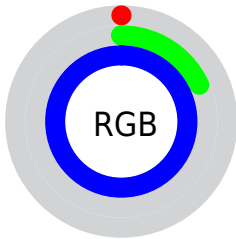
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 38, 253
Decimal	11773
CIE Lab	35.92, 66.83, -100.69
CIE LCh	36, 120.854, 303.572
Yxy	8.9686, 0.1539, 0.0739
Android (android.graphics.Color)	4278201853 (0xFF002DFD)
YUV	55.2570, 97.4873, -48.4604
Hunter-Lab	29.9477, 58.8604, -164.4947

# Details

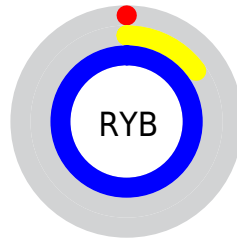
The Hex color **002DFD** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **FDD000**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **7660FF**, and **0000C3** is the 20% darker color. If you saturate the color by 10%, you get **002DFD**, and if you desaturate by 10%, it is **1942FD**.

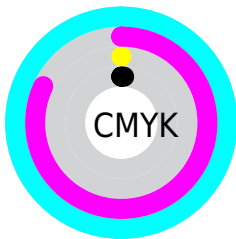
# Distribution



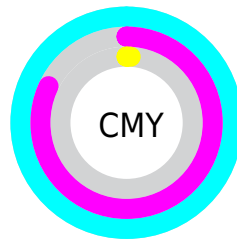
- Red (0%)
- Green (18%)
- Blue (99%)



- Red (0%)
- Yellow (15%)
- Blue (99%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (82%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002DFD 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 002DFD by changing the saturation by 10% instead.



 002DFD

 002DFD

FFFFFF

 0012DF

 7660FF

 0000C3

 9A7AFF

 0000A6

 BC95FF

 00008B

 DCB0FF


 000F70

 FDCDFF

 000C56

 FFE9FF

 00063E

 000327

 000111

 002DFD

 1942FD

 3357FD

 4C6BFD

 6580FD

 7F95FD

 98AAFD

 B1BFFD

 CAD3FD

 E4E8FD

# Harmonies

## Analogous

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



0065FF



002DFD



C600AE

# Triad

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



002DFD



A81A00



00715F

# Complementary

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



002DFD



FDD000

# 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.



006E00



002DFD



5E5600

# Square

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



002DFD



DA0000



006800



0074C1

# Rectangle

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



002DFD



E6006E



006800



00703C



# Sweetspot

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



002DFD



B3C0FF



00FDCF



525A80



000000



808080



# Same Dimension

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



002DFD



002DFF



5000FD



737580



0022BF



000B40



# Inverse Universe

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



FD002D



FF002D



ADFD00



807375



BF0022



40000B



# Previews

## White Background



This preview shows how the Hex color 002DFD looks on a white background.

## Color Contrast Check

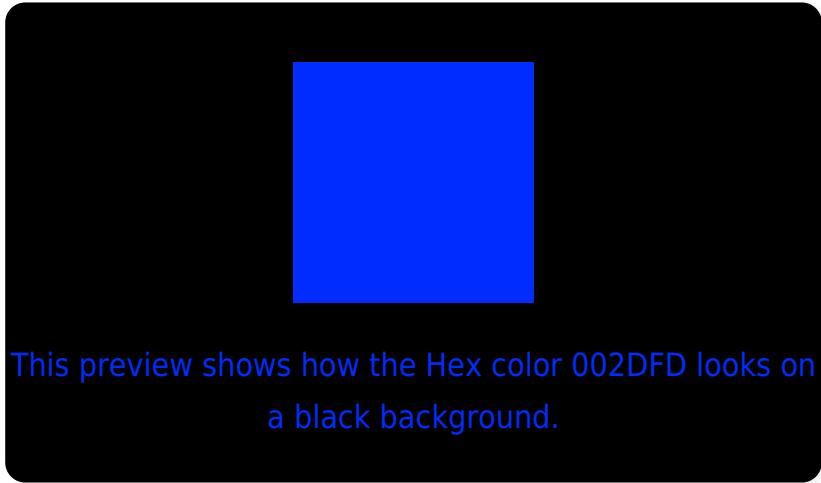
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black 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

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



## Hex 002DFD Background



This preview shows how black text looks on a background with the Hex color 002DFD.



This preview shows how white text looks on a background with the Hex color 002DFD.

# 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**  
002DFD

**Protanopia**  
0051AA

**Deuteranopia**  
005690



**Tritanopia**  
005D61

# Trichromacy



**Original Color**  
002DFD

**Protanomaly**  
0044C8

**Deuteranomaly**  
0047B8

**Tritanomaly**  
004C9A

# Monochromacy



**Original Color**  
002DFD

**Achromatopsia**  
373737

**Achromatomaly**  
23337F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002DFD 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 #002DFD looks like.

```
.text, #text, p{  
    color:#002DFD  
}
```

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 #002DFD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002DFD
}
```

## Border

The CSS property to change the border of an element to Hex 002DFD 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
#002DFD }
```

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

```
.border{ border-color:#002DFD }
```

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

Here you see how a box with a 4 pixel #002DFD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002DFD; -webkit-box-shadow:4px 4px  
4px 4px #002DFD; box-shadow:4px 4px 4px  
4px #002DFD }
```

# Background

The CSS property to change the background color of an element to Hex 002DFD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002DFD }
```

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

```
.background{ background-color:#002DFD }
```

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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