

Converting Colors

Hex(002FC8)

Have a look what the booklet for
Hex(002FC8) contains.

Hex(002FC8)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(002FC8)

Conversions

Conversions Part 1

Format	Color
Hex	002FC8
RGB	0, 47, 200
RGB Percent	0%, 18%, 78%
CMY	1.0000, 0.8157, 0.2157
CMYK	1.00, 0.77, 0.00, 0.22
HSL	226°, 100%, 39%
HSV	226°, 100%, 78%
XYZ	11.4418, 6.2032, 55.2379
YIQ	50.3890, -77.1250, 37.6190

Conversions

Conversions Part 2

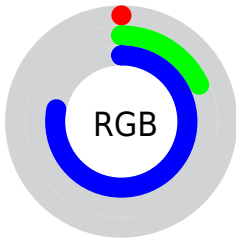
Format	Color
RYB	0, 38, 200
Decimal	12232
CIELab	29.92, 48.95, -80.34
CIELCh	30, 94.079, 301.356
Yxy	6.2032, 0.1570, 0.0851
Android (android.graphics.Color)	4278202312 (0xFF002FC8)
YUV	50.3890, 73.7582, -44.1912
Hunter-Lab	24.9061, 38.4168, -114.0615

Details

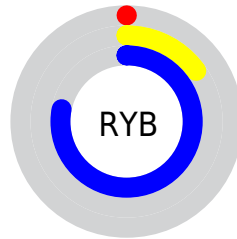
The Hex color **002FC8** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **C89900**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **665FFF**, and **000590** is the 20% darker color. If you saturate the color by 10%, you get **002FC8**, and if you desaturate by 10%, it is **143EC8**.

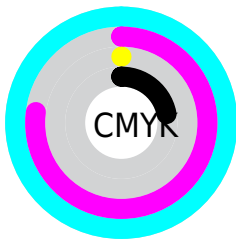
Distribution



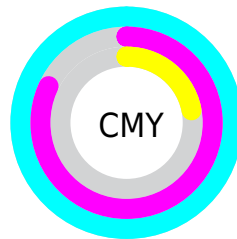
- Red (0%)
- Green (18%)
- Blue (78%)



- Red (0%)
- Yellow (15%)
- Blue (78%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (82%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002FC8 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 002FC8 by changing the saturation by 10% instead.

 002FC8

 002FC8

FFFFFF

 0019AC

 665FFF

 000590

 8778FF

 000076

 A692FF

 000A5C

 C5ADFF

 000743

 E4C8FF

 00032C

 FFE5FF

 000117

 000000

 002FC8

 143EC8

 284EC8

 3C5DC8

 506CC8

 647BC8

 788BC8

 8C9AC8

 A0A9C8

 B4B9C8

Harmonies

Analogous

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



0053DF



002FC8



99008F

Triad

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



002FC8



8B1A00



005E48

Complementary

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



002FC8



C89900

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.



005B00



002FC8



544600

Square

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



002FC8



B00000



005600



006093

Rectangle

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



002FC8



B4005F



005600



005D2E

Sweetspot

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



002FC8



B3C4FF



00C896



525C80



000000



808080

Same Dimension

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



002FC8



003CFF



3200C8



5A5C63



0026A3



000824

Inverse Universe

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



C8002F



FF003C



96C800



635A5C



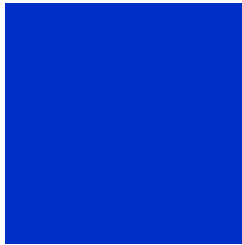
A30026



240008

Previews

White Background



This preview shows how the Hex color 002FC8 looks on a white background.

Color Contrast Check

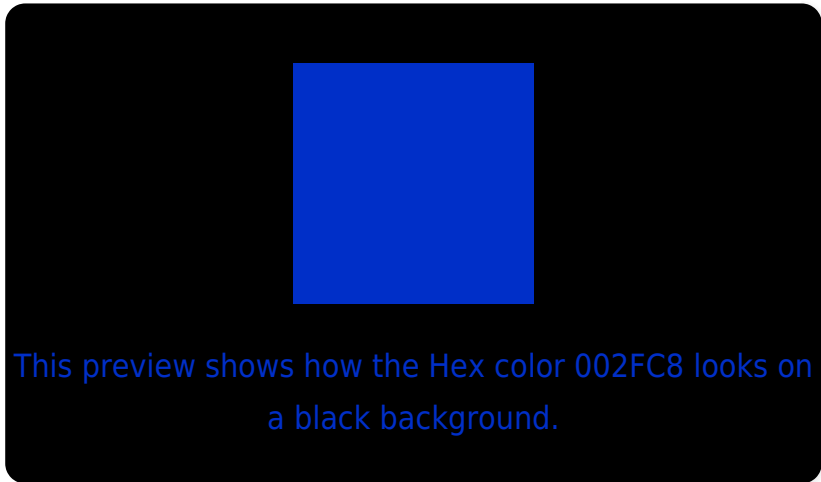
Large Text (above 18pt) WCAG AA ✓ Pass

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

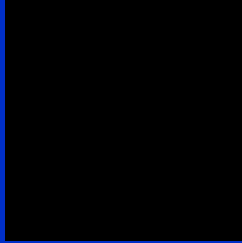
Any Text WCAG AA × Fail

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 002FC8 Background



This preview shows how black text looks on a background with the Hex color 002FC8.



This preview shows how white text looks on a background with the Hex color 002FC8.

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
002FC8

Protanopia
00448F

Deuteranopia
00497A



Tritanopia
004F52

Trichromacy



Original Color
002FC8

Protanomaly
003CA4

Deuteranomaly
004096

Tritanomaly
00437D

Monochromacy



Original Color
002FC8

Achromatopsia
323232

Achromatomaly
203169

CSS Examples

Text

The CSS property to change the color of the text to Hex 002FC8 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 #002FC8 looks like.

```
.text, #text, p{  
    color:#002FC8  
}
```

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 #002FC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002FC8
}
```

Border

The CSS property to change the border of an element to Hex 002FC8 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
#002FC8 }
```

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

```
.border{ border-color:#002FC8 }
```

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

Here you see how a box with a 4 pixel #002FC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002FC8; -webkit-box-shadow:4px 4px  
4px 4px #002FC8; box-shadow:4px 4px 4px  
4px #002FC8 }
```

Background

The CSS property to change the background color of an element to Hex 002FC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002FC8 }
```

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

```
.background{ background-color:#002FC8 }
```

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