

# Converting Colors

Hex(042FBF)

Have a look what the booklet for  
Hex(042FBF) contains.

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# Color

**Hex(042FBF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	042FBF
RGB	4, 47, 191
RGB Percent	2%, 18%, 75%
CMY	0.9843, 0.8157, 0.2510
CMYK	0.98, 0.75, 0.00, 0.25
HSL	226°, 96%, 38%
HSV	226°, 98%, 75%
XYZ	10.4706, 5.8204, 49.8618
YIQ	50.5590, -71.8520, 35.6680

# Conversions

## Conversions Part 2

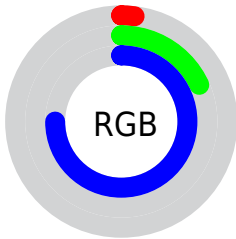
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 39, 191
Decimal	274367
CIELab	28.95, 45.92, -76.65
CIELCh	29, 89.351, 300.924
Yxy	5.8204, 0.1583, 0.0880
Android (android.graphics.Color)	4278464447 (0xFF042FBF)
YUV	50.5590, 69.2374, -40.8322
Hunter-Lab	24.1256, 35.2497, -105.6504

# Details

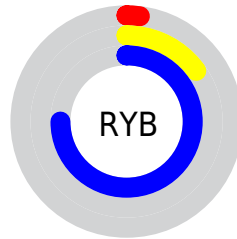
The Hex color **042FBF** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **BF9404**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **645EF9**, and **000688** is the 20% darker color. If you saturate the color by 10%, you get **002CBF**, and if you desaturate by 10%, it is **173EBF**.

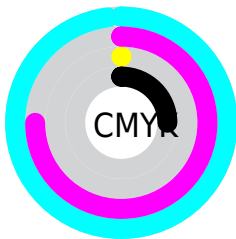
# Distribution



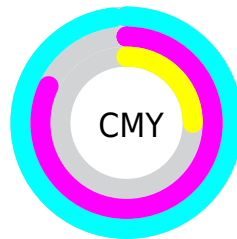
- Red (2%)
- Green (18%)
- Blue (75%)



- Red (2%)
- Yellow (15%)
- Blue (75%)



- Cyan (98%)
- Magenta (75%)
- Yellow (0%)
- Black (25%)



- Cyan (98%)
- Magenta (82%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 042FBF 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 042FBF by changing the saturation by 10% instead.



 042FBF

 042FBF

FFFFFF

 0019A3

 645EF9

 000688

 8477FF

 00006E

 A391FF

 000B54

 C2ACFF

 00063C

 E1C7FF

 000225

 FFE4FF

 00010E

 000000

 042FBF

 042FBF

■ 002CBF

■ 173EBF

■ 2A4CBF

■ 3D5BBF

■ 506ABF

■ 6479BF

■ 7787BF

■ 8A96BF

■ 9DA5BF

■ B0B3BF

# Harmonies

## Analogous

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



0050D4



042FBF



920089

# Triad

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



042FBF



861B00



005B45

# Complementary

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



042FBF



BF9404

# 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.



005800



042FBF



534300

# Square

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



042FBF



A90000



005200



005C8B

# Rectangle

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



042FBF



AC005C



005200



005A2C



# Sweetspot

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



042FBF



B0C0F7



04BF93



515B7D



FCFCFC



7D7D7D



# Same Dimension

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



042FBF



0039F7



3604BF



55575E



00249E



00071F



# Inverse Universe

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



BF042F



F70039



8DBF04



5E5557



9E0024

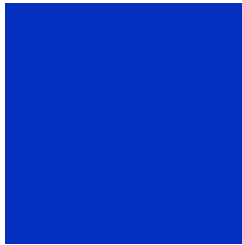


1F0007



# Previews

## White Background



This preview shows how the Hex color 042FBF looks on a white background.

## Color Contrast Check

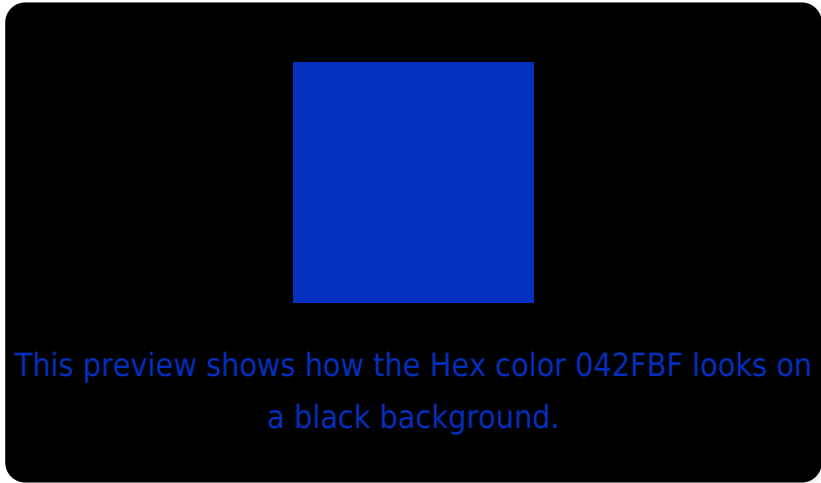
Large Text (above 18pt) WCAG AA ✓ Pass

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

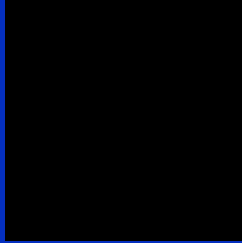
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 042FBF Background



This preview shows how black text looks on a background with the Hex color 042FBF.



This preview shows how white text looks on a background with the Hex color 042FBF.

# 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**  
042FBF

**Protanopia**  
00428B

**Deuteranopia**  
004776



# Trichromacy



**Original Color**  
042FBF

**Protanomaly**  
013B9E

**Deuteranomaly**  
013E91

**Tritanomaly**  
014178

# Monochromacy



**Original Color**  
042FBF

**Achromatopsia**  
333333

**Achromatomaly**  
223266

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 042FBF 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 #042FBF looks like.

```
.text, #text, p{  
    color:#042FBF  
}
```

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 #042FBF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #042FBF
}
```

## Border

The CSS property to change the border of an element to Hex 042FBF 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
#042FBF }
```

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

```
.border{ border-color:#042FBF }
```

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

Here you see how a box with a 4 pixel #042FBF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #042FBF; -webkit-box-shadow:4px 4px  
4px 4px #042FBF; box-shadow:4px 4px 4px  
4px #042FBF }
```

# Background

The CSS property to change the background color of an element to Hex 042FBF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#042FBF }
```

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

```
.background{ background-color:#042FBF }
```

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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