

# Converting Colors

Hex(0023F7)

Have a look what the booklet for  
Hex(0023F7) contains.

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# Color

**Hex(0023F7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0023F7
RGB	0, 35, 247
RGB Percent	0%, 14%, 97%
CMY	1.0000, 0.8627, 0.0314
CMYK	1.00, 0.86, 0.00, 0.03
HSL	231°, 100%, 48%
HSV	231°, 100%, 97%
XYZ	17.3895, 7.9175, 88.6074
YIQ	48.7030, -88.9120, 58.5120

# Conversions

## Conversions Part 2

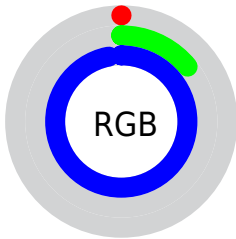
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 31, 247
Decimal	9207
CIELab	33.81, 69.15, -100.84
CIELCh	34, 122.274, 304.438
Yxy	7.9175, 0.1527, 0.0695
Android (android.graphics.Color)	4278199287 (0xFF0023F7)
YUV	48.7030, 97.7604, -42.7125
Hunter-Lab	28.1380, 61.0731, -167.0094

# Details

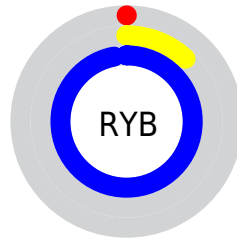
The Hex color **0023F7** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **F7D400**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **7558FF**, and **0000BD** is the 20% darker color. If you saturate the color by 10%, you get **0023F7**, and if you desaturate by 10%, it is **1938F7**.

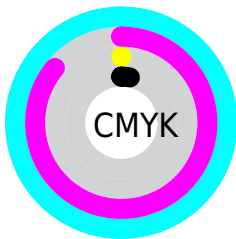
# Distribution



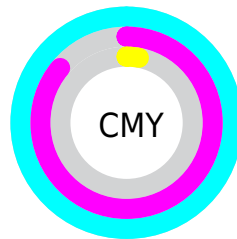
- Red (0%)
- Green (14%)
- Blue (97%)



- Red (0%)
- Yellow (12%)
- Blue (97%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (86%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0023F7 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 0023F7 by changing the saturation by 10% instead.



 0023F7

 0023F7

FFFFFF

 0002DA

 7558FF

 0000BD

 9972FF

 0000A1

 BA8DFF

 000085

 DBA8FF

 00116B

 FCC4FF

 000B51

 FFE1FF

 000539

FFFEFF

 000223

 00000A

 0023F7

 1938F7

 314DF7

 4A63F7

 6378F7

 7C8DF7

 94A2F7

 ADB7F7

 C6CDF7

 DEE2F7

# Harmonies

## Analogous

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



0060FF



0023F7



C300A6

# Triad

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



0023F7



A01500



006B5D

# Complementary

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



0023F7



F7D400

# 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.



006900



0023F7



555200

# Square

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



0023F7



D30000



006300



006FBF

# Rectangle

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



0023F7



E10067



006300



006A3A



# Sweetspot

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



0023F7



B3BDFE



00F7D2



525880



000000



808080



# Same Dimension

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



0023F7



0024FF



5600F7



6E707A



001ABA



00083B



# Inverse Universe

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



F70023



FF0024



A1F700



7A6E70



BA001A

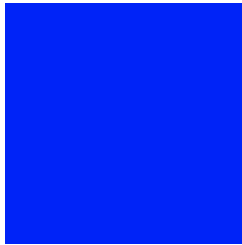


3B0008



# Previews

## White Background



This preview shows how the Hex color 0023F7 looks on a white background.

## Color Contrast Check

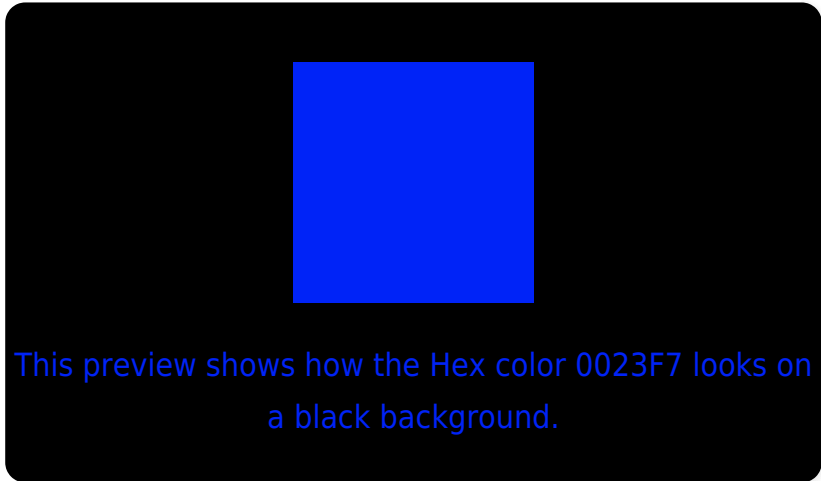
Large Text (above 18pt) WCAG AA ✓ Pass

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

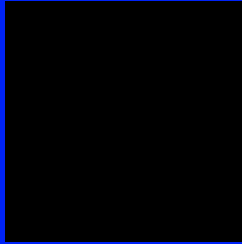
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0023F7 Background



This preview shows how black text looks on a background with the Hex color 0023F7.



This preview shows how white text looks on a background with the Hex color 0023F7.

# 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**  
0023F7

**Protanopia**  
004CA0

**Deuteranopia**  
005288



**Tritanopia**  
00585C

# Trichromacy



**Original Color**  
0023F7

**Protanomaly**  
003DC0

**Deuteranomaly**  
0041B0

**Tritanomaly**  
004594

# Monochromacy



**Original Color**  
0023F7

**Achromatopsia**  
313131

**Achromatomaly**  
1F2C79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0023F7 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 #0023F7 looks like.

```
.text, #text, p{  
    color:#0023F7  
}
```

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 #0023F7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0023F7
}
```

## Border

The CSS property to change the border of an element to Hex 0023F7 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
#0023F7 }
```

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

```
.border{ border-color:#0023F7 }
```

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

Here you see how a box with a 4 pixel #0023F7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0023F7; -webkit-box-shadow:4px 4px  
4px 4px #0023F7; box-shadow:4px 4px 4px  
4px #0023F7 }
```

# Background

The CSS property to change the background color of an element to Hex 0023F7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0023F7 }
```

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

```
.background{ background-color:#0023F7 }
```

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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