

Converting Colors

Hex(012FB7)

Have a look what the booklet for
Hex(012FB7) contains.

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Color

Hex(012FB7)

Conversions

Conversions Part 1

Format	Color
Hex	012FB7
RGB	1, 47, 183
RGB Percent	0%, 18%, 72%
CMY	0.9961, 0.8157, 0.2824
CMYK	0.99, 0.74, 0.00, 0.28
HSL	225°, 99%, 36%
HSV	225°, 99%, 72%
XYZ	9.5763, 5.4584, 45.3486
YIQ	48.7500, -71.0720, 32.5440

Conversions

Conversions Part 2

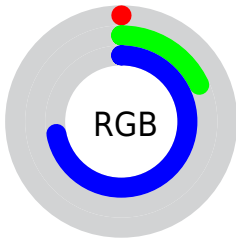
Format	Color
R_{YB}	1, 38, 183
Decimal	77751
CIE _{Lab}	28.00, 42.99, -73.49
CIE _{LCh}	28, 85.144, 300.328
Yxy	5.4584, 0.1586, 0.0904
Android (android.graphics.Color)	4278267831 (0xFF012FB7)
YUV	48.7500, 66.1852, -41.8768
Hunter-Lab	23.3632, 32.2794, -98.7294

Details

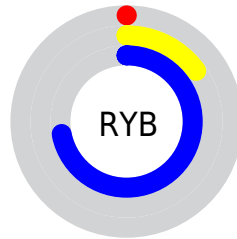
The Hex color **012FB7** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B78901**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **615EF0**, and **000780** is the 20% darker color. If you saturate the color by 10%, you get **002EB7**, and if you desaturate by 10%, it is **133DB7**.

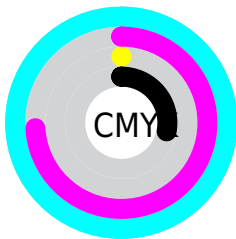
Distribution



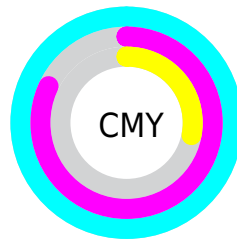
- Red (0%)
- Green (18%)
- Blue (72%)



- Red (0%)
- Yellow (15%)
- Blue (72%)



- Cyan (99%)
- Magenta (74%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (82%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 012FB7 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 012FB7 by changing the saturation by 10% instead.

■ 012FB7

FFFFFF

■ 615EF0

■ 8177FF

■ 9F91FF

■ BEABFF

■ DCC7FF

■ FBE3FF

■ 012FB7

■ 012FB7

■ 001A9B

■ 000780

■ 000067

■ 000A4D

■ 000535

■ 00021F

■ 000003

■ 000000

■ 012FB7

■ 002EB7

■ 133DB7

■ 264AB7

■ 3858B7

■ 4A66B7

■ 5D73B7

■ 6F81B7

■ 818FB7

■ 939CB7

■ A6AAB7

Harmonies

Analogous

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



004ECA



012FB7



8A0085

Triad

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



012FB7



821A00



005841

Complementary

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



012FB7



B78901

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.



005500



012FB7



514100

Square

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



012FB7



A20002



004F00



005984

Rectangle

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



012FB7



A4005A



004F00



00572A

Sweetspot

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



012FB7



A6B8ED



01B786



4D5878



F7F7F7



787878

Same Dimension

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



012FB7



003CED



2B01B7



53555C



00279C



00071C

Inverse Universe

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



B7012F



ED003C



8DB701



5C5355



9C0027



1C0007

Previews

White Background



This preview shows how the Hex color 012FB7 looks on a white background.

Color Contrast Check

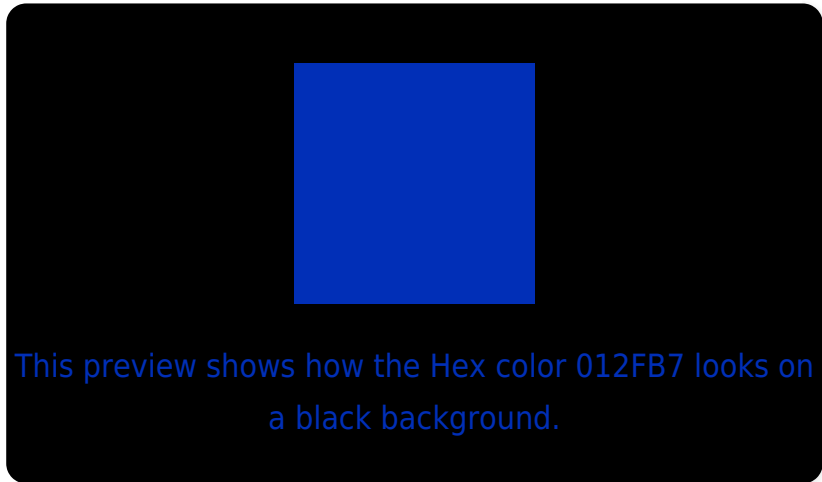
Large Text (above 18pt) WCAG AA ✓ Pass

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

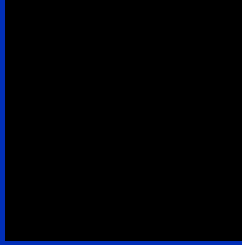
Any Text WCAG AA × Fail

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 012FB7 Background



This preview shows how black text looks on a background with the Hex color 012FB7.



This preview shows how white text looks on a background with the Hex color 012FB7.

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
012FB7

Protanopia
004087

Deuteranopia
004473



Tritanopia
004A4E

Trichromacy



Original Color
012FB7

Protanomaly
003A98

Deuteranomaly
003C8C

Tritanomaly
004074

Monochromacy



Original Color
012FB7

Achromatopsia
313131

Achromatomaly
203062

CSS Examples

Text

The CSS property to change the color of the text to Hex 012FB7 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 #012FB7 looks like.

```
.text, #text, p{  
    color:#012FB7  
}
```

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 #012FB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #012FB7
}
```

Border

The CSS property to change the border of an element to Hex 012FB7 is called "border". The border property can be set on classes, ids or directly on the HTML element.

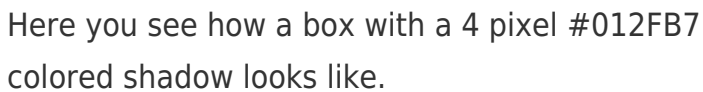
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#012FB7 }
```

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

```
.border{ border-color:#012FB7 }
```

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



Here you see how a box with a 4 pixel #012FB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #012FB7; -webkit-box-shadow:4px 4px  
4px 4px #012FB7; box-shadow:4px 4px 4px  
4px #012FB7 }
```

Background

The CSS property to change the background color of an element to Hex 012FB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#012FB7 }
```

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

```
.background{ background-color:#012FB7 }
```

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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