

Converting Colors

Hex(0022BF)

Have a look what the booklet for
Hex(0022BF) contains.

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Color

Hex(0022BF)

Conversions

Conversions Part 1

Format	Color
Hex	0022BF
RGB	0, 34, 191
RGB Percent	0%, 13%, 75%
CMY	1.0000, 0.8667, 0.2510
CMYK	1.00, 0.82, 0.00, 0.25
HSL	229°, 100%, 37%
HSV	229°, 100%, 75%
XYZ	9.9760, 4.9056, 49.7113
YIQ	41.7320, -70.6610, 41.6190

Conversions

Conversions Part 2

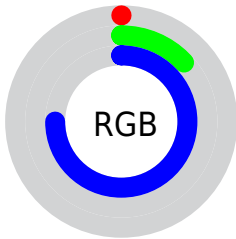
Format	Color
RYB	0, 29, 191
Decimal	8895
CIELab	26.46, 52.82, -80.79
CIELCh	26, 96.522, 303.176
Yxy	4.9056, 0.1544, 0.0759
Android (android.graphics.Color)	4278198975 (0xFF0022BF)
YUV	41.7320, 73.5891, -36.5990
Hunter-Lab	22.1487, 41.6380, -117.5685

Details

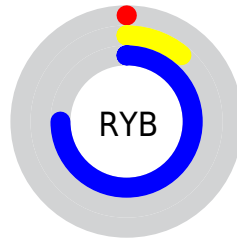
The Hex color **0022BF** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **BF9D00**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **6452F9**, and **000088** is the 20% darker color. If you saturate the color by 10%, you get **0022BF**, and if you desaturate by 10%, it is **1332BF**.

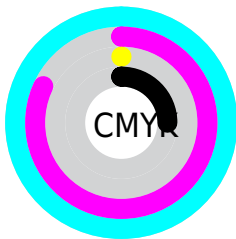
Distribution



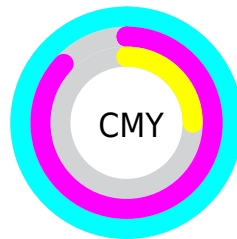
- Red (0%)
- Green (13%)
- Blue (75%)



- Red (0%)
- Yellow (11%)
- Blue (75%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (87%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0022BF 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 0022BF by changing the saturation by 10% instead.

 0022BF

 0022BF

FFFFFF

 0009A3

 6452F9

 000088

 856BFF

 00006E

 A485FF

 000B54

 C3A0FF

 00063C

 E2BBFF

 000225

 FFD7FF

 00010E

 FFF4FF

 000000

 0022BF

■ 1332BF

■ 2641BF

■ 3951BF

■ 4C61BF

■ 6070BF

■ 7380BF

■ 8690BF

■ 99A0BF

■ ACAFBF

Harmonies

Analogous

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



004BD9



0022BF



940083

Triad

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



0022BF



7F1300



005545

Complementary

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



0022BF



BF9D00

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.



005300



0022BF



474000

Square

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



0022BF



A50000



004E00



005790

Rectangle

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



0022BF



AD0053



004E00



00542B

Sweetspot

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



0022BF



ADBAF7



00BF9C



50587D



FCFCFC



7D7D7D

Same Dimension

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



0022BF



002CF7



3C00BF



55575E



001C9E



00051F

Inverse Universe

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



BF0022



F7002C



83BF00



5E5557



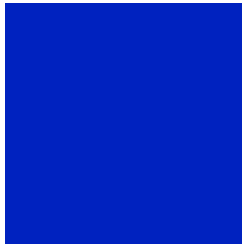
9E001C



1F0005

Previews

White Background



This preview shows how the Hex color 0022BF looks on a white background.

Color Contrast Check

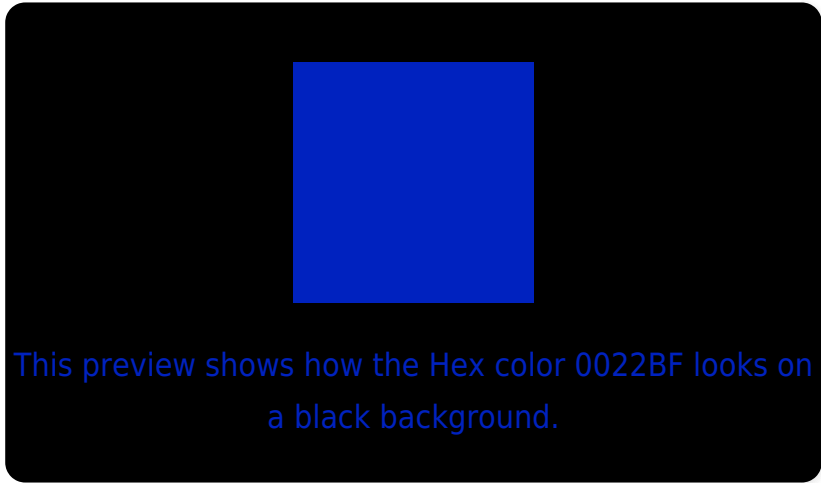
Large Text (above 18pt) WCAG AA ✓ Pass

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

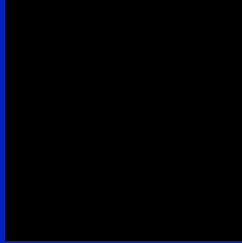
Any Text WCAG AA × Fail

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 0022BF Background



This preview shows how black text looks on a background with the Hex color 0022BF.



This preview shows how white text looks on a background with the Hex color 0022BF.

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
0022BF

Protanopia
003D80

Deuteranopia
00416D

Trichromacy



Original Color
0022BF

Protanomaly
003397

Deuteranomaly
00368B

Monochromacy



Original Color
0022BF

Achromatopsia
2A2A2A

Achromatomaly
1B2760

CSS Examples

Text

The CSS property to change the color of the text to Hex 0022BF 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 #0022BF looks like.

```
.text, #text, p{  
  color:#0022BF  
}
```

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 #0022BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0022BF
}
```

Border

The CSS property to change the border of an element to Hex 0022BF 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".

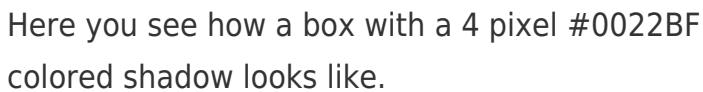
```
.border, #border, table{ border:4px solid
#0022BF }
```

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

```
.border{ border-color:#0022BF }
```

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

Here you see how a box with a 4 pixel #0022BF colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0022BF; -webkit-box-shadow:4px 4px  
4px 4px #0022BF; box-shadow:4px 4px 4px  
4px #0022BF }
```

Background

The CSS property to change the background color of an element to Hex 0022BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0022BF }
```

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

```
.background{ background-color:#0022BF }
```

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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