

# Converting Colors

Hex(0002B8)

Have a look what the booklet for  
Hex(0002B8) contains.

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# Color

**Hex(0002B8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0002B8
RGB	0, 2, 184
RGB Percent	0%, 1%, 72%
CMY	1.0000, 0.9922, 0.2784
CMYK	1.00, 0.99, 0.00, 0.28
HSL	239°, 100%, 36%
HSV	239°, 100%, 72%
XYZ	8.6734, 3.5041, 45.5666
YIQ	22.1500, -59.6140, 56.1780

# Conversions

## Conversions Part 2

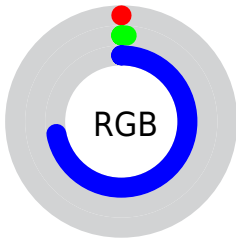
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 2, 184</a>
Decimal	<a href="#">696</a>
CIELab	<a href="#">21.96, 61.49, -84.15</a>
CIELCh	<a href="#">22, 104.222, 306.156</a>
Yxy	<a href="#">3.5041, 0.1502, 0.0607</a>
Android (android.graphics.Color)	<a href="#">4278190776 (0xFF0002B8)</a>
YUV	<a href="#">22.1500, 79.7921, -19.4255</a>
Hunter-Lab	<a href="#">18.7193, 49.9480, -131.2208</a>

# Details

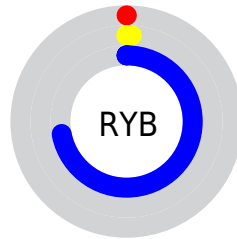
The Hex color **0002B8** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **B8B600**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **643DF2**, and **000081** is the 20% darker color. If you saturate the color by 10%, you get **0002B8**, and if you desaturate by 10%, it is **1214B8**.

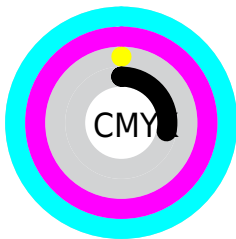
# Distribution



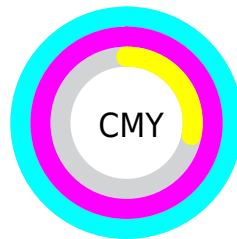
- Red (0%)
- Green (1%)
- Blue (72%)



- Red (0%)
- Yellow (1%)
- Blue (72%)



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (99%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0002B8 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 0002B8 by changing the saturation by 10% instead.



 0002B8

 0002B8

 FFFDFD

 00009C

 643DF2

 000081

 8557FF

 000067

 A471FF

 000A4E

 C38CFF

 000536

 E2A7FF

 000220

 FFC3FF

 000003

 FFE0FF

 000000

 0002B8

 1214B8

 2526B8

 3739B8

 4A4BB8

 5C5DB8

 6E6FB8

 8181B8

 9394B8

 A6A6B8

# Harmonies

## Analogous

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



0042D9



0002B8



920075

# Triad

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



0002B8



700500



004A44

# Complementary

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



0002B8



B8B600

# 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.



004900



0002B8



333800

# Square

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



0002B8



9A0000



004400



004D92

# Rectangle

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



0002B8



A80043



004400



004928



# Sweetspot

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



0002B8



A8A9F0



00B8B5



4D4D78



F7F7F7



787878



# Same Dimension

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



0002B8



0003F0



5900B8



53535C



00029C



00001C



# Inverse Universe

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



B80002



F00003



5FB800



5C5353



9C0002

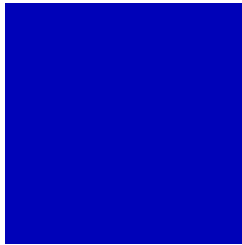


1C0000



# Previews

## White Background



This preview shows how the Hex color 0002B8 looks on a white background.

## Color Contrast Check

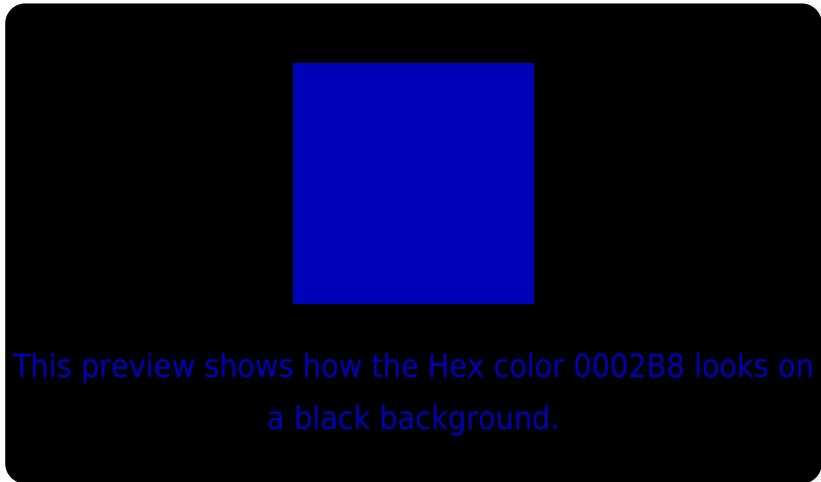
Large Text (above 18pt) WCAG AA ✓ Pass

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

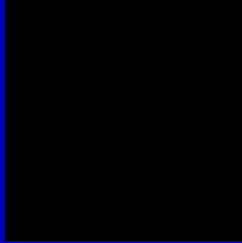
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0002B8 Background



This preview shows how black text looks on a background with the Hex color 0002B8.



This preview shows how white text looks on a background with the Hex color 0002B8.

# 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**  
0002B8

**Protanopia**  
003671

**Deuteranopia**  
00395F



**Tritanopia**  
003E41

# Trichromacy



**Original Color**  
0002B8

**Protanomaly**  
00238B

**Deuteranomaly**  
00257F

**Tritanomaly**  
00286C

# Monochromacy



**Original Color**  
0002B8

**Achromatopsia**  
161616

**Achromatomaly**  
0E0F51

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0002B8 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 #0002B8 looks like.

```
.text, #text, p{  
    color:#0002B8  
}
```

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 #0002B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0002B8
}
```

## Border

The CSS property to change the border of an element to Hex 0002B8 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
#0002B8 }
```

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

```
.border{ border-color:#0002B8 }
```

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

Here you see how a box with a 4 pixel #0002B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0002B8; -webkit-box-shadow:4px 4px  
4px 4px #0002B8; box-shadow:4px 4px 4px  
4px #0002B8 }
```

# Background

The CSS property to change the background color of an element to Hex 0002B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0002B8 }
```

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

```
.background{ background-color:#0002B8 }
```

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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