

# Converting Colors

Hex(002BA8)

Have a look what the booklet for  
Hex(002BA8) contains.

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# Color

Hex(002BA8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002BA8
RGB	0, 43, 168
RGB Percent	0%, 17%, 66%
CMY	1.0000, 0.8314, 0.3412
CMYK	1.00, 0.74, 0.00, 0.34
HSL	225°, 100%, 33%
HSV	225°, 100%, 66%
XYZ	7.9318, 4.5549, 37.5069
YIQ	44.3930, -65.7530, 29.7590

# Conversions

## Conversions Part 2

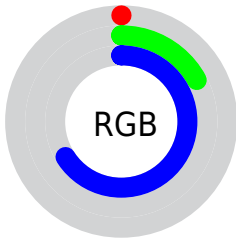
Format	Color
<b>RYB</b>	0, 34, 168
Decimal	11176
CIELab	25.43, 39.93, -68.77
CIELCh	25, 79.526, 300.141
Yxy	4.5549, 0.1587, 0.0911
Android (android.graphics.Color)	4278201256 (0xFF002BA8)
YUV	44.3930, 60.9383, -38.9327
Hunter-Lab	21.3422, 28.9900, -89.2569

# Details

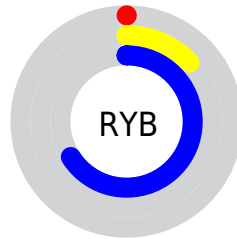
The Hex color **002BA8** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A87D00**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **5C59E0**, and **000372** is the 20% darker color. If you saturate the color by 10%, you get **002BA8**, and if you desaturate by 10%, it is **1137A8**.

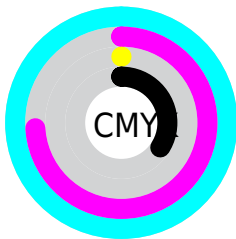
# Distribution



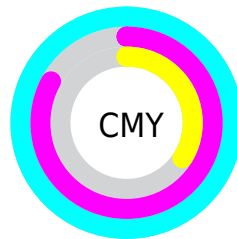
- Red (0%)
- Green (17%)
- Blue (66%)



- Red (0%)
- Yellow (13%)
- Blue (66%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (83%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002BA8 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 002BA8 by changing the saturation by 10% instead.



■ 002BA8

■ 002BA8

FFFFFF

■ 00168D

■ 5C59E0

■ 000372

■ 7B72FE

■ 000059

■ 998CFF

■ 000740

■ B7A6FF

■ 000329

■ D5C1FF

■ 000114

■ F4DDFF

■ 000000

■ FFFAFF

■ 002BA8

■ 1137A8

■ 2244A8

■ 3250A8

■ 435DA8

■ 5469A8

■ 6576A8

■ 7683A8

■ 868FA8

■ 979BA8

# Harmonies

## Analogous

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



0047B9



002BA8



7F007A

# Triad

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



002BA8



771800



00503B

# Complementary

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



002BA8



A87D00

# 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.



004E00



002BA8



4B3B00

# Square

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



002BA8



950000



004900



005279

# Rectangle

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



002BA8



960053



004900



004F25



# Sweetspot

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



002BA8



9AAADB



00A87B



46506E



EDEDED



6E6E6E



# Same Dimension

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



002BA8



0038DB



2700A8



4C4E54



002694



000514



# Inverse Universe

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



A8002B



DB0038



81A800



544C4E



940026



140005



# Previews

## White Background



This preview shows how the Hex color 002BA8 looks on a white background.

## Color Contrast Check

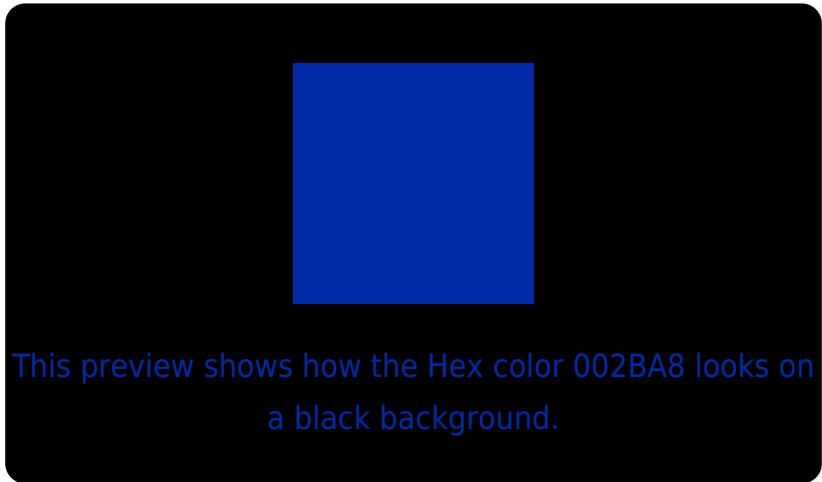
Large Text (above 18pt) WCAG AA ✓ Pass

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

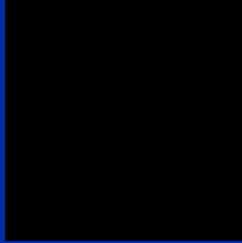
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002BA8 Background



This preview shows how black text looks on a background with the Hex color 002BA8.



This preview shows how white text looks on a background with the Hex color 002BA8.

# 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**  
002BA8

**Protanopia**  
003B7C

**Deuteranopia**  
003F69



# Trichromacy



**Original Color**  
002BA8

**Protanomaly**  
00358C

**Deuteranomaly**  
003880

**Tritanomaly**  
003B6A

# Monochromacy



**Original Color**  
002BA8

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
1C2C59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002BA8 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 #002BA8 looks like.

```
.text, #text, p{  
    color:#002BA8  
}
```

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 #002BA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002BA8
}
```

## Border

The CSS property to change the border of an element to Hex 002BA8 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
#002BA8 }
```

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

```
.border{ border-color:#002BA8 }
```

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

Here you see how a box with a 4 pixel #002BA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002BA8; -webkit-box-shadow:4px 4px  
4px 4px #002BA8; box-shadow:4px 4px 4px  
4px #002BA8 }
```

# Background

The CSS property to change the background color of an element to Hex 002BA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002BA8 }
```

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

```
.background{ background-color:#002BA8 }
```

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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