

# Converting Colors

Hex(002B8A)

Have a look what the booklet for  
Hex(002B8A) contains.

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# Color

**Hex(002B8A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	002B8A
RGB	0, 43, 138
RGB Percent	0%, 17%, 54%
CMY	1.0000, 0.8314, 0.4588
CMYK	1.00, 0.69, 0.00, 0.46
HSL	221°, 100%, 27%
HSV	221°, 100%, 54%
XYZ	5.4513, 3.5627, 24.4451
YIQ	40.9730, -56.1230, 20.4290

# Conversions

## Conversions Part 2

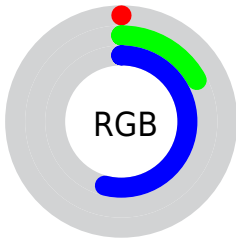
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 33, 138
Decimal	11146
CIELab	22.17, 28.30, -55.75
CIELCh	22, 62.517, 296.914
Yxy	3.5627, 0.1629, 0.1065
Android (android.graphics.Color)	4278201226 (0xFF002B8A)
YUV	40.9730, 47.8343, -35.9333
Hunter-Lab	18.8752, 18.5208, -63.5733

# Details

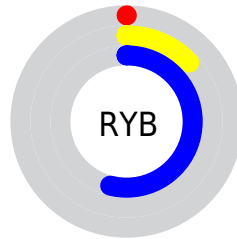
The Hex color **002B8A** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **8A5F00**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **5258C0**, and **000057** is the 20% darker color. If you saturate the color by 10%, you get **002B8A**, and if you desaturate by 10%, it is **0E358A**.

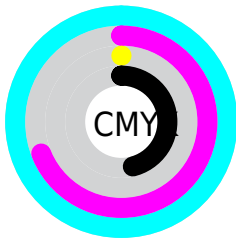
# Distribution



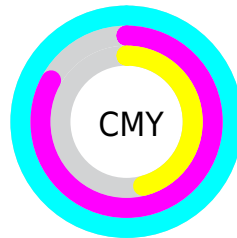
- Red (0%)
- Green (17%)
- Blue (54%)



- Red (0%)
- Yellow (13%)
- Blue (54%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (83%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002B8A 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 002B8A by changing the saturation by 10% instead.



■ 002B8A

■ 002B8A

FFFFFF

■ 001770

■ 5258C0

■ 000057

■ 6F71DD

■ 00063F

■ 8C8AFA

■ 000328

■ A8A4FF

■ 000111

■ C6BFFF

■ 000000

■ E3DBFF

■ FFF8FF

■ 002B8A

■ 0E358A

■ 1C3E8A

■ 29488A

■ 37518A

■ 455B8A

■ 53648A

■ 616E8A

■ 6E778A

■ 7C818A

# Harmonies

## Analogous

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



003E94



002B8A



650069

# Triad

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



002B8A



681800



00452F

# Complementary

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



002B8A



8A5F00

# 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.



004300



002B8A



463200

# Square

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



002B8A



7D000F



153E00



00465E

# Rectangle

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



002B8A



79004B



153E00



00451E



# Sweetspot

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



002B8A



7D8EB3



008A5E



394359



D9D9D9



595959



# Same Dimension

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



002B8A



0038B3



19008A



3E4045



002985



000205



# Inverse Universe

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



8A002B



B30038



718A00



453E40



850029



050002



# Previews

## White Background



This preview shows how the Hex color 002B8A looks on a white background.

### Color Contrast Check

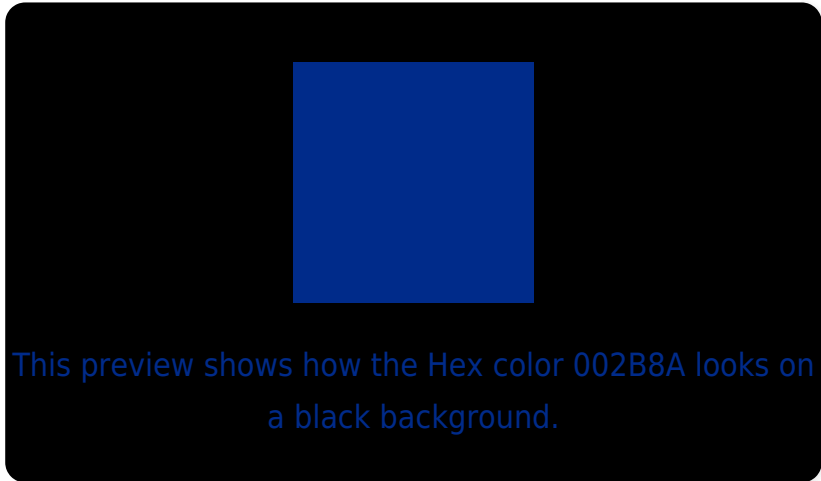
Large Text (above 18pt) WCAG AA ✓ Pass

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

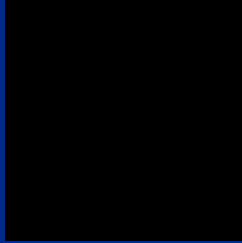
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 002B8A Background



This preview shows how black text looks on a background with the Hex color 002B8A.



This preview shows how white text looks on a background with the Hex color 002B8A.

# 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**  
002B8A

**Protanopia**  
00346E

**Deuteranopia**  
00385D



**Tritanopia**  
003C3F

# Trichromacy



**Original Color**  
002B8A

**Protanomaly**  
003178

**Deuteranomaly**  
00336D

**Tritanomaly**  
00365A

# Monochromacy



**Original Color**  
002B8A

**Achromatopsia**  
292929

**Achromatomaly**  
1A2A4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002B8A 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 #002B8A looks like.

```
.text, #text, p{  
    color:#002B8A  
}
```

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 #002B8A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002B8A
}
```

## Border

The CSS property to change the border of an element to Hex 002B8A is called "border". The border property can be set on classes, ids or directly on the HTML element.

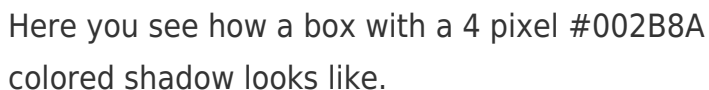
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002B8A }
```

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

```
.border{ border-color:#002B8A }
```

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



Here you see how a box with a 4 pixel #002B8A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002B8A; -webkit-box-shadow:4px 4px  
4px 4px #002B8A; box-shadow:4px 4px 4px  
4px #002B8A }
```

# Background

The CSS property to change the background color of an element to Hex 002B8A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002B8A }
```

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

```
.background{ background-color:#002B8A }
```

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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