

Converting Colors

Hex(002B89)

Have a look what the booklet for
Hex(002B89) contains.

Hex(002B89)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(002B89)

Conversions

Conversions Part 1

Format	Color
Hex	002B89
RGB	0, 43, 137
RGB Percent	0%, 17%, 54%
CMY	1.0000, 0.8314, 0.4627
CMYK	1.00, 0.69, 0.00, 0.46
HSL	221°, 100%, 27%
HSV	221°, 100%, 54%
XYZ	5.3792, 3.5339, 24.0655
YIQ	40.8590, -55.8020, 20.1180

Conversions

Conversions Part 2

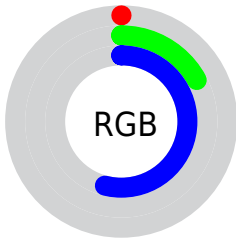
Format	Color
RYB	0, 33, 137
Decimal	11145
CIELab	22.07, 27.89, -55.29
CIELCh	22, 61.927, 296.767
Yxy	3.5339, 0.1631, 0.1072
Android (android.graphics.Color)	4278201225 (0xFF002B89)
YUV	40.8590, 47.3975, -35.8333
Hunter-Lab	18.7987, 18.1801, -62.7423

Details

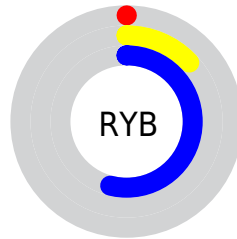
The Hex color **002B89** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **895E00**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **5158BF**, and **000056** is the 20% darker color. If you saturate the color by 10%, you get **002B89**, and if you desaturate by 10%, it is **0E3489**.

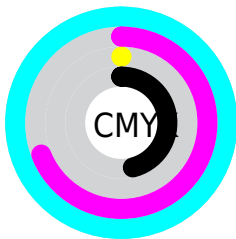
Distribution



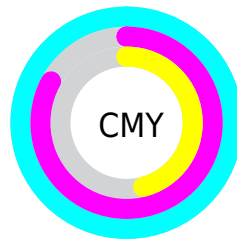
- Red (0%)
- Green (17%)
- Blue (54%)



- 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 002B89 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 002B89 by changing the saturation by 10% instead.

 002B89

 002B89

FFFFFF

 00176F

 5158BF

 000056

 6E71DC

 00063E

 8B8AF9

 000327

 A8A4FF

 000110

 C5BFFF

 000000

 E3DBFF

 FFF8FF

 002B89

■ 0E3489

■ 1B3E89

■ 294789

■ 375189

■ 455A89

■ 526389

■ 606D89

■ 6E7689

■ 7B8089

Harmonies

Analogous

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



003E93



002B89



640068

Triad

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



002B89



671800



00452E

Complementary

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



002B89



895E00

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



002B89



463200

Square

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



002B89



7C000F



163E00



00465E

Rectangle

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



002B89



78004B



163E00



00451E

Sweetspot

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



002B89



7D8EB3



00895E



394359



D9D9D9



595959

Same Dimension

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



002B89



0038B3



190089



3E4045



002A85



000205

Inverse Universe

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



89002B



B30038



708900



453E40



85002A



050002

Previews

White Background



This preview shows how the Hex color 002B89 looks on a white background.

Color Contrast Check

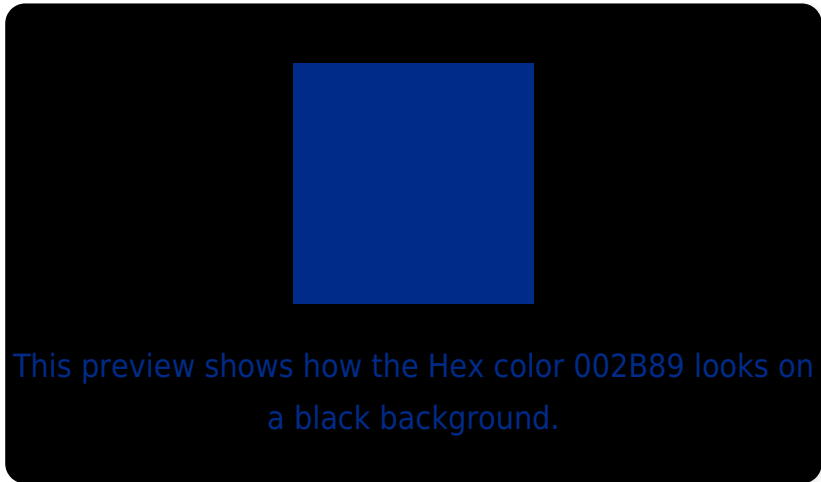
Large Text (above 18pt) WCAG AA ✓ Pass

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

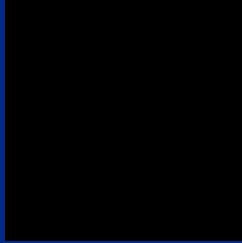
Any Text WCAG AA × Fail

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 002B89 Background



This preview shows how black text looks on a background with the Hex color 002B89.



This preview shows how white text looks on a background with the Hex color 002B89.

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
002B89

Protanopia
00346D

Deuteranopia
00375D



Tritanopia
003C3F

Trichromacy



Original Color
002B89

Protanomaly
003177

Deuteranomaly
00336D

Tritanomaly
00365A

Monochromacy



Original Color
002B89

Achromatopsia
292929

Achromatomaly
1A2A4C

CSS Examples

Text

The CSS property to change the color of the text to Hex 002B89 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 #002B89 looks like.

```
.text, #text, p{  
    color:#002B89  
}
```

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 #002B89 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002B89
}
```

Border

The CSS property to change the border of an element to Hex 002B89 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
#002B89 }
```

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

```
.border{ border-color:#002B89 }
```

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

Here you see how a box with a 4 pixel #002B89 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002B89; -webkit-box-shadow:4px 4px  
4px 4px #002B89; box-shadow:4px 4px 4px  
4px #002B89 }
```

Background

The CSS property to change the background color of an element to Hex 002B89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002B89 }
```

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

```
.background{ background-color:#002B89 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor