

Converting Colors

Hex(002A89)

Have a look what the booklet for
Hex(002A89) contains.

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Color

Hex(002A89)

Conversions

Conversions Part 1

Format	Color
Hex	002A89
RGB	0, 42, 137
RGB Percent	0%, 16%, 54%
CMY	1.0000, 0.8353, 0.4627
CMYK	1.00, 0.69, 0.00, 0.46
HSL	222°, 100%, 27%
HSV	222°, 100%, 54%
XYZ	5.3433, 3.4621, 24.0535
YIQ	40.2720, -55.5270, 20.6410

Conversions

Conversions Part 2

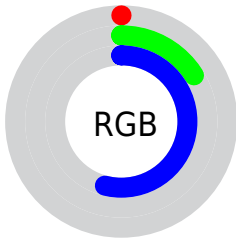
Format	Color
RYB	0, 32, 137
Decimal	10889
CIELab	21.81, 28.58, -55.72
CIELCh	22, 62.621, 297.155
Yxy	3.4621, 0.1626, 0.1054
Android (android.graphics.Color)	4278200969 (0xFF002A89)
YUV	40.2720, 47.6869, -35.3185
Hunter-Lab	18.6066, 18.6987, -63.6218

Details

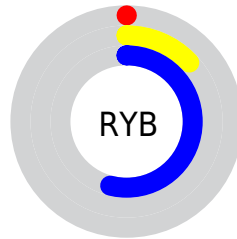
The Hex color **002A89** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **895F00**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **5157BF**, and **000056** is the 20% darker color. If you saturate the color by 10%, you get **002A89**, and if you desaturate by 10%, it is **0E3389**.

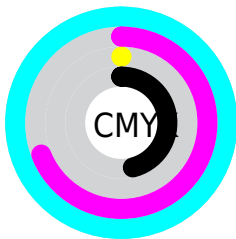
Distribution



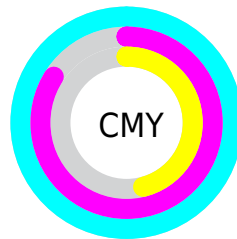
- Red (0%)
- Green (16%)
- Blue (54%)



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



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



- Cyan (100%)
- Magenta (84%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002A89 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 002A89 by changing the saturation by 10% instead.

■ 002A89

■ 002A89

FFFFFF

■ 00166F

■ 5157BF

■ 000056

■ 6F6FDC

■ 00063E

■ 8B89F9

■ 000327

■ A8A3FF

■ 000110

■ C5BEFF

■ 000000

■ E3DAFF

■ FFF7FF

■ 002A89

■ 0E3389

■ 1B3D89

■ 294689

■ 375089

■ 455989

■ 526389

■ 606D89

■ 6E7689

■ 7B8089

Harmonies

Analogous

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



003D94



002A89



640068

Triad

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



002A89



671700



00452E

Complementary

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



002A89



895F00

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.



004200



002A89



453100

Square

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



002A89



7C000D



133D00



00465E

Rectangle

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



002A89



79004A



133D00



00441E

Sweetspot

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



002A89



7D8DB3



00895E



394359



D9D9D9



595959

Same Dimension

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



002A89



0037B3



190089



3E4045



002985



000205

Inverse Universe

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



89002A



B30037



708900



453E40



850029



050002

Previews

White Background



This preview shows how the Hex color 002A89 looks on a white background.

Color Contrast Check

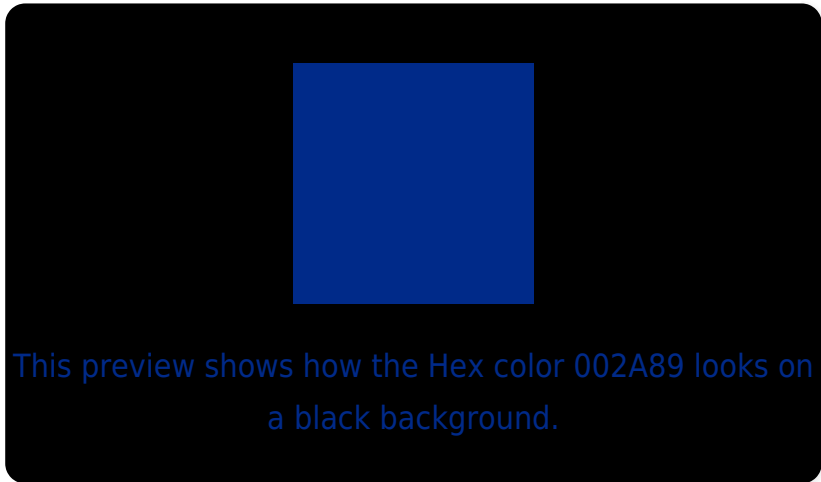
Large Text (above 18pt) WCAG AA ✓ Pass

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

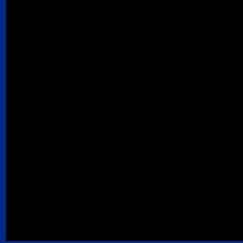
Any Text WCAG AA × Fail

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 002A89 Background



This preview shows how black text looks on a background with the Hex color 002A89.



This preview shows how white text looks on a background with the Hex color 002A89.

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
002A89

Protanopia
00336C

Deuteranopia
00375C



Tritanopia
003B3E

Trichromacy



Original Color
002A89

Protanomaly
003077

Deuteranomaly
00326C

Tritanomaly
003559

Monochromacy



Original Color
002A89

Achromatopsia
282828

Achromatomaly
19294B

CSS Examples

Text

The CSS property to change the color of the text to Hex 002A89 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 #002A89 looks like.

```
.text, #text, p{  
    color:#002A89  
}
```

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 #002A89 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002A89
}
```

Border

The CSS property to change the border of an element to Hex 002A89 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
#002A89 }
```

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

```
.border{ border-color:#002A89 }
```

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

Here you see how a box with a 4 pixel #002A89 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002A89; -webkit-box-shadow:4px 4px  
4px 4px #002A89; box-shadow:4px 4px 4px  
4px #002A89 }
```

Background

The CSS property to change the background color of an element to Hex 002A89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002A89 }
```

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

```
.background{ background-color:#002A89 }
```

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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