

Converting Colors

Hex(002A80)

Have a look what the booklet for
Hex(002A80) contains.

Hex(002A80)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

Hex(002A80)

Conversions

Conversions Part 1

Format	Color
Hex	002A80
RGB	0, 42, 128
RGB Percent	0%, 16%, 50%
CMY	1.0000, 0.8353, 0.4980
CMYK	1.00, 0.67, 0.00, 0.50
HSL	220°, 100%, 25%
HSV	220°, 100%, 50%
XYZ	4.7242, 3.2144, 20.7935
YIQ	39.2460, -52.6380, 17.8420

Conversions

Conversions Part 2

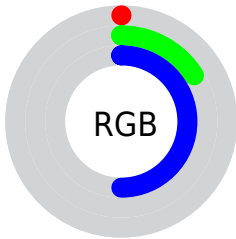
Format	Color
RYB	0, 32, 128
Decimal	10880
CIELab	20.88, 24.86, -51.58
CIELCh	21, 57.260, 295.731
Yxy	3.2144, 0.1644, 0.1119
Android (android.graphics.Color)	4278200960 (0xFF002A80)
YUV	39.2460, 43.7557, -34.4187
Hunter-Lab	17.9289, 15.6591, -56.2131

Details

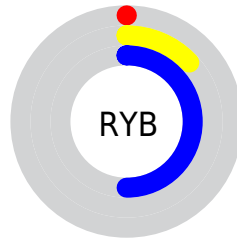
The Hex color **002A80** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **805600**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **4E57B6**, and **00004E** is the 20% darker color. If you saturate the color by 10%, you get **002A80**, and if you desaturate by 10%, it is **0D3380**.

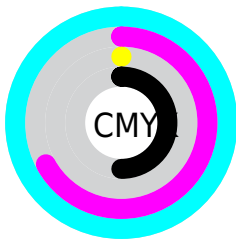
Distribution



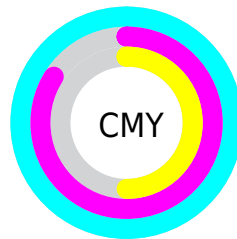
- Red (0%)
- Green (16%)
- Blue (50%)



- Red (0%)
- Yellow (13%)
- Blue (50%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (84%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002A80 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 002A80 by changing the saturation by 10% instead.

■ 002A80

■ 002A80

FFFFFF

■ 001666

■ 4E57B6

■ 00004E

■ 6B6FD2

■ 000536

■ 8789EE

■ 000220

■ A4A3FF

■ 000003

■ C0BEFF

■ 000000

■ DEDAFF

■ FBF6FF

■ 002A80

■ 0D3380

■ 1A3B80

■ 264480

■ 334C80

■ 405580

■ 4D5E80

■ 5A6680

■ 666F80

■ 737780

Harmonies

Analogous

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



003A88



002A80



5C0263

Triad

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



002A80



621700



00422B

Complementary

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



002A80



805600

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.



003F00



002A80



442F00

Square

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



002A80



750011



1A3A00



004256

Rectangle

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



002A80



700048



1A3A00



00411C

Sweetspot

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



002A80



7484A6



008055



364054



D4D4D4



545454

Same Dimension

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



002A80



0036A6



150080



393B40



000000

Inverse Universe

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



80002A



A60036



6B8000



40393B



000000

Previews

White Background



This preview shows how the Hex color 002A80 looks on a white background.

Color Contrast Check

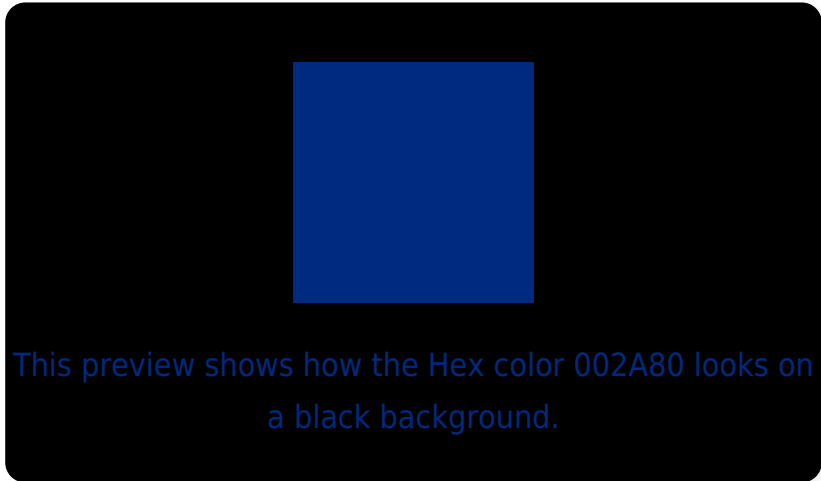
Large Text (above 18pt) WCAG AA ✓ Pass

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

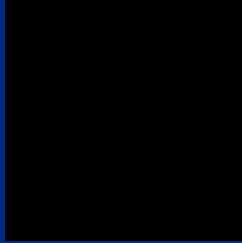
Any Text WCAG AA × Fail

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 002A80 Background



This preview shows how black text looks on a background with the Hex color 002A80.

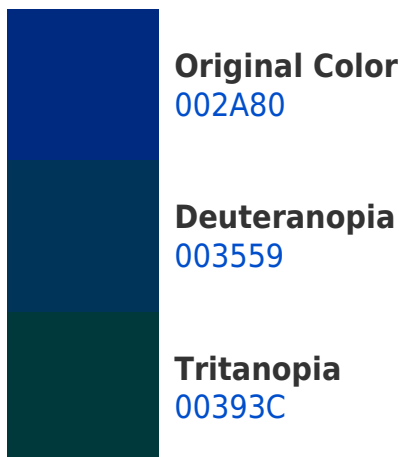


This preview shows how white text looks on a background with the Hex color 002A80.

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



Trichromacy



Original Color
002A80

Deuteranomaly
003167

Tritanomaly
003455

Monochromacy



Original Color
002A80

Achromatopsia
272727

Achromatomaly
192847

CSS Examples

Text

The CSS property to change the color of the text to Hex 002A80 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 #002A80 looks like.

```
.text, #text, p{  
    color:#002A80  
}
```

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 #002A80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002A80
}
```

Border

The CSS property to change the border of an element to Hex 002A80 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
#002A80 }
```

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

```
.border{ border-color:#002A80 }
```

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

Here you see how a box with a 4 pixel #002A80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002A80; -webkit-box-shadow:4px 4px  
4px 4px #002A80; box-shadow:4px 4px 4px  
4px #002A80 }
```

Background

The CSS property to change the background color of an element to Hex 002A80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002A80 }
```

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

```
.background{ background-color:#002A80 }
```

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