

Converting Colors

Hex(002DA8)

Have a look what the booklet for
Hex(002DA8) contains.

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Color

Hex(002DA8)

Conversions

Conversions Part 1

Format	Color
Hex	002DA8
RGB	0, 45, 168
RGB Percent	0%, 18%, 66%
CMY	1.0000, 0.8235, 0.3412
CMYK	1.00, 0.73, 0.00, 0.34
HSL	224°, 100%, 33%
HSV	224°, 100%, 66%
XYZ	8.0063, 4.7039, 37.5318
YIQ	45.5670, -66.3030, 28.7130

Conversions

Conversions Part 2

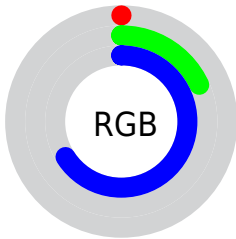
Format	Color
RYB	0, 35, 168
Decimal	11688
CIELab	25.87, 38.69, -68.03
CIElCh	26, 78.265, 299.625
Yxy	4.7039, 0.1594, 0.0936
Android (android.graphics.Color)	4278201768 (0xFF002DA8)
YUV	45.5670, 60.3595, -39.9623
Hunter-Lab	21.6885, 27.9379, -87.4187

Details

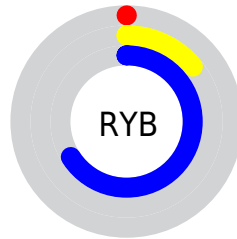
The Hex color **002DA8** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A87B00**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **5C5BE0**, and **000572** is the 20% darker color. If you saturate the color by 10%, you get **002DA8**, and if you desaturate by 10%, it is **1139A8**.

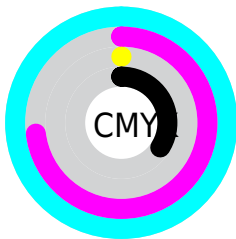
Distribution



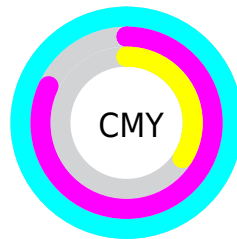
- Red (0%)
- Green (18%)
- Blue (66%)



- Red (0%)
- Yellow (14%)
- Blue (66%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (82%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002DA8 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 002DA8 by changing the saturation by 10% instead.

■ 002DA8

■ 002DA8

FFFFFF

■ 00188D

■ 5C5BE0

■ 000572

■ 7B74FE

■ 000059

■ 998EFF

■ 000741

■ B7A8FF

■ 00032A

■ D5C3FF

■ 000114

■ F3E0FF

■ 000000

■ FFFCFF

■ 002DA8

■ 1139A8

■ 2246A8

■ 3252A8

■ 435EA8

■ 546AA8

■ 6577A8

■ 7683A8

■ 868FA8

■ 979CA8

Harmonies

Analogous

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



0048B9



002DA8



7E007B

Triad

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



002DA8



791900



00513B

Complementary

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



002DA8



A87B00

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.



004F00



002DA8



4D3C00

Square

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



002DA8



960004



004900



005378

Rectangle

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



002DA8



960055



004900



005026

Sweetspot

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



002DA8



9AABDB



00A878



46516E



EDEDED



6E6E6E

Same Dimension

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



002DA8



003BDB



2400A8



4C4E54



002894



000514

Inverse Universe

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



A8002D



DB003B



84A800



544C4E



940028



140005

Previews

White Background



This preview shows how the Hex color 002DA8 looks on a white background.

Color Contrast Check

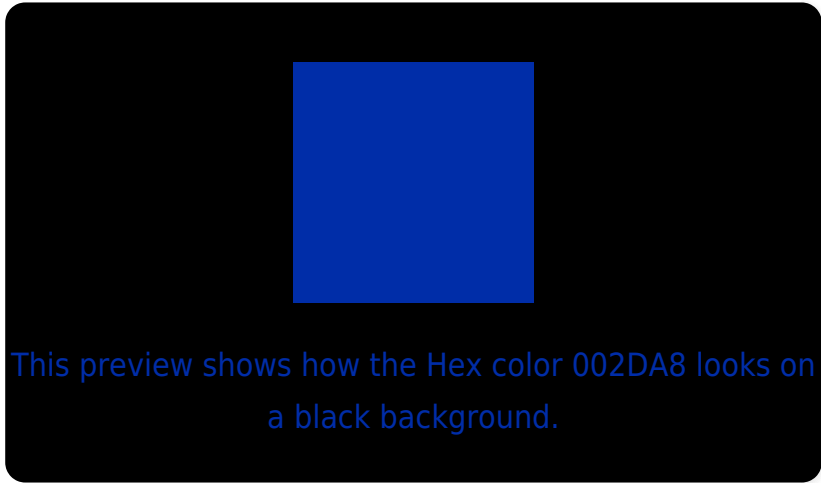
Large Text (above 18pt) WCAG AA ✓ Pass

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

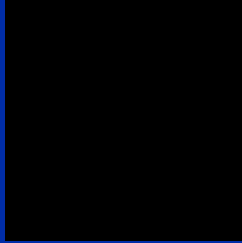
Any Text WCAG AA × Fail

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 002DA8 Background



This preview shows how black text looks on a background with the Hex color 002DA8.



This preview shows how white text looks on a background with the Hex color 002DA8.

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
002DA8

Protanopia
003C7E

Deuteranopia
00406B

Trichromacy



Original Color
002DA8

Protanomaly
00378D

Deuteranomaly
003981

Tritanomaly
003C6B

Monochromacy



Original Color
002DA8

Achromatopsia
2E2E2E

Achromatomaly
1D2E5A

CSS Examples

Text

The CSS property to change the color of the text to Hex 002DA8 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 #002DA8 looks like.

```
.text, #text, p{  
    color:#002DA8  
}
```

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 #002DA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002DA8
}
```

Border

The CSS property to change the border of an element to Hex 002DA8 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
#002DA8 }
```

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

```
.border{ border-color:#002DA8 }
```

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

Here you see how a box with a 4 pixel #002DA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002DA8; -webkit-box-shadow:4px 4px  
4px 4px #002DA8; box-shadow:4px 4px 4px  
4px #002DA8 }
```

Background

The CSS property to change the background color of an element to Hex 002DA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002DA8 }
```

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

```
.background{ background-color:#002DA8 }
```

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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