

Converting Colors

Hex(002DB8)

Have a look what the booklet for
Hex(002DB8) contains.

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Color

Hex(002DB8)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 002DB8 |
| RGB | 0, 45, 184 |
| RGB Percent | 0%, 18%, 72% |
| CMY | 1.0000, 0.8235, 0.2784 |
| CMYK | 1.00, 0.76, 0.00, 0.28 |
| HSL | 225°, 100%, 36% |
| HSV | 225°, 100%, 72% |
| XYZ | 9.5901, 5.3375, 45.8722 |
| YIQ | 47.3910, -71.4390, 33.6890 |

Conversions

Conversions Part 2

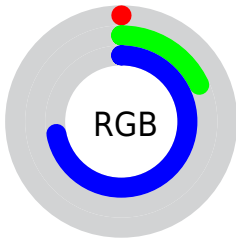
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 0, 36, 184 |
| Decimal | 11704 |
| CIE Lab | 27.68, 44.52, -74.63 |
| CIE LCh | 28, 86.898, 300.816 |
| Yxy | 5.3375, 0.1577, 0.0878 |
| Android (android.graphics.Color) | 4278201784 (0xFF002DB8) |
| YUV | 47.3910, 67.3482, -41.5619 |
| Hunter-Lab | 23.1030, 33.6658, -101.5515 |

Details

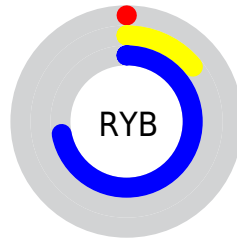
The Hex color **002DB8** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **B88B00**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **615CF1**, and **000581** is the 20% darker color. If you saturate the color by 10%, you get **002DB8**, and if you desaturate by 10%, it is **123BB8**.

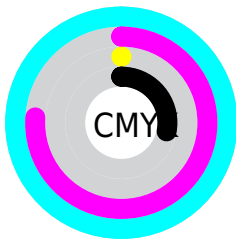
Distribution



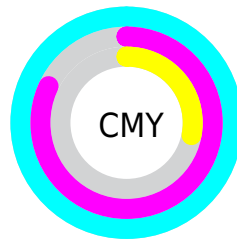
- Red (0%)
- Green (18%)
- Blue (72%)



- Red (0%)
- Yellow (14%)
- Blue (72%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (82%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002DB8 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 002DB8 by changing the saturation by 10% instead.

 002DB8

 002DB8

FFFFFF

 00179C

 615CF1

 000581

 8175FF

 000067

 A08FFF

 000A4E

 BEA9FF

 000536

 DDC5FF

 000220

 FCE1FF

 000004

FFFEFF

 000000

 002DB8

 123BB8

 2549B8

 3757B8

 4A65B8

 5C72B8

 6E80B8

 818EB8

 939CB8

 A6AAB8

Harmonies

Analogous

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



004DCC



002DB8



8C0084

Triad

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



002DB8



811900



005742

Complementary

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



002DB8



B88B00

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.



005500



002DB8



4F4000

Square

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



002DB8



A30000



004F00



005986

Rectangle

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



002DB8



A50059



004F00



00562A

Sweetspot

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



002DB8



A8B9F0



00B88A



4D5778



F7F7F7



787878

Same Dimension

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



002DB8



003BF0



2E00B8



53555C



00269C



00071C

Inverse Universe

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



B8002D



F0003B



8AB800



5C5355



9C0026



1C0007

Previews

White Background



This preview shows how the Hex color 002DB8 looks on a white background.

Color Contrast Check

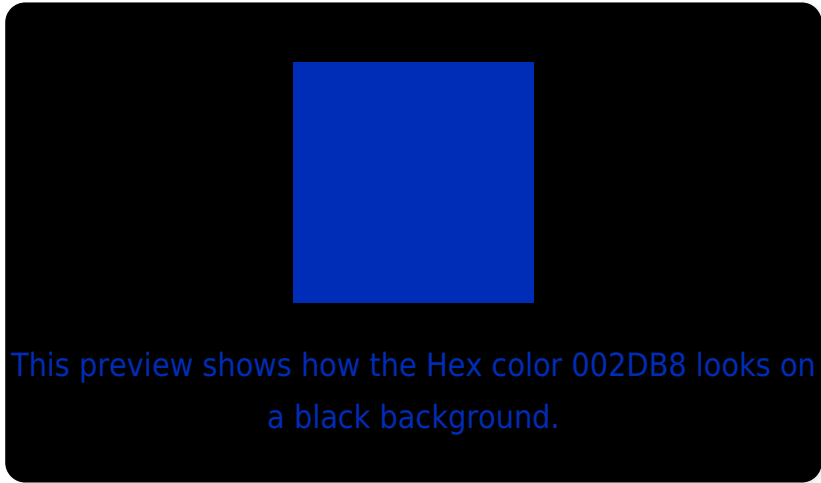
Large Text (above 18pt) WCAG AA ✓ Pass

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

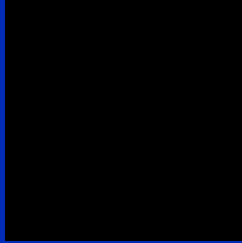
Any Text WCAG AA × Fail

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 002DB8 Background



This preview shows how black text looks on a background with the Hex color 002DB8.



This preview shows how white text looks on a background with the Hex color 002DB8.

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
002DB8

Protanopia
003F86

Deuteranopia
004471

Trichromacy



Original Color
002DB8

Protanomaly
003898

Deuteranomaly
003C8B

Monochromacy



Original Color
002DB8

Achromatopsia
2F2F2F

Achromatomaly
1E2E61

CSS Examples

Text

The CSS property to change the color of the text to Hex 002DB8 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 #002DB8 looks like.

```
.text, #text, p{  
    color:#002DB8  
}
```

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 #002DB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002DB8
}
```

Border

The CSS property to change the border of an element to Hex 002DB8 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
#002DB8 }
```

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

```
.border{ border-color:#002DB8 }
```

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

Here you see how a box with a 4 pixel #002DB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002DB8; -webkit-box-shadow:4px 4px  
4px 4px #002DB8; box-shadow:4px 4px 4px  
4px #002DB8 }
```

Background

The CSS property to change the background color of an element to Hex 002DB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002DB8 }
```

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

```
.background{ background-color:#002DB8 }
```

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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