

# Converting Colors

Hex(000DBD)

Have a look what the booklet for  
Hex(000DBD) contains.

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# Color

**Hex(000DBD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	000DBD
RGB	0, 13, 189
RGB Percent	0%, 5%, 74%
CMY	1.0000, 0.9490, 0.2588
CMYK	1.00, 0.93, 0.00, 0.26
HSL	236°, 100%, 37%
HSV	236°, 100%, 74%
XYZ	9.3292, 3.9620, 48.4171
YIQ	29.1770, -64.2440, 51.9800

# Conversions

## Conversions Part 2

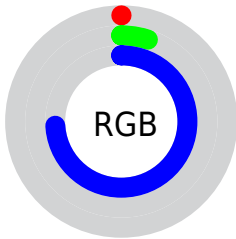
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 12, 189
Decimal	3517
CIELab	23.55, 60.19, -84.47
CIElCh	24, 103.722, 305.471
Yxy	3.9620, 0.1512, 0.0642
Android (android.graphics.Color)	4278193597 (0xFF000DBD)
YUV	29.1770, 78.7927, -25.5882
Hunter-Lab	19.9047, 48.8288, -130.2865

# Details

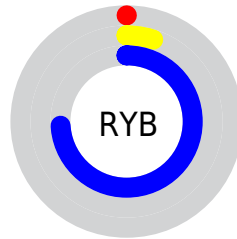
The Hex color **000DBD** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **BDB000**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **6543F7**, and **000086** is the 20% darker color. If you saturate the color by 10%, you get **000DBD**, and if you desaturate by 10%, it is **131FBD**.

# Distribution



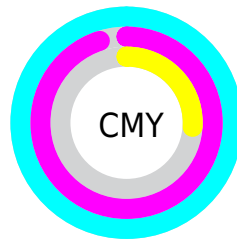
- Red (0%)
- Green (5%)
- Blue (74%)



- Red (0%)
- Yellow (5%)
- Blue (74%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (95%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 000DBD 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 000DBD by changing the saturation by 10% instead.



 000DBD

 000DBD

FFFFFF

 0000A1

 6543F7

 000086

 865DFF

 00006B

 A677FF

 000B52

 C592FF

 00053A

 E4ADFF

 000223

 FFC9FF

 00000B

 FFE6FF

 000000

 000DBD


 131FBD

 2630BD

 3942BD

 4C53BD

 5F65BD

 7177BD

 8488BD

 979ABD

 AAABBD

# Harmonies

## Analogous

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



0045DC



000DBD



96007B

# Triad

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



000DBD



750900



004E45

# Complementary

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



000DBD



BDB000

# 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.



004C00



000DBD



393B00

# Square

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



000DBD



9F0000



004800



005194

# Rectangle

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



000DBD



AC0048



004800



004E2A



# Sweetspot

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



000BBD



ABB0F5



00BDAD



4E517A



FAFAFA



7A7A7A



# Same Dimension

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



000DBD



0011F5



4F00BD



55565E



000B9E



00021F



# Inverse Universe

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



BD000D



F50011



6EBD00



5E5556



9E000B

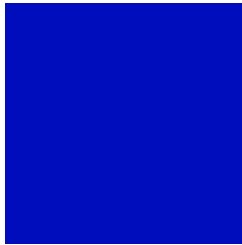


1F0002



# Previews

## White Background



This preview shows how the Hex color 000DBD looks on a white background.

## Color Contrast Check

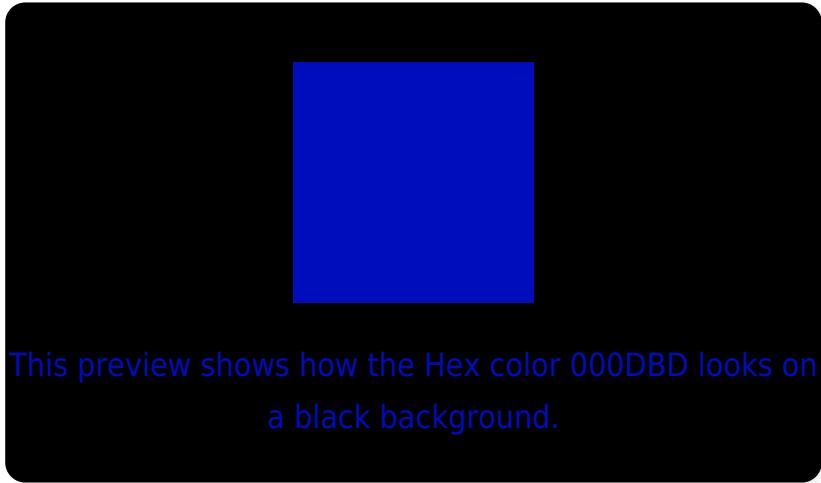
Large Text (above 18pt) WCAG AA ✓ Pass

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

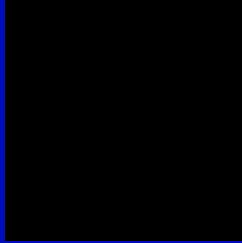
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 000DBD Background



This preview shows how black text looks on a background with the Hex color 000DBD.



This preview shows how white text looks on a background with the Hex color 000DBD.

# 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**  
000DBD

**Protanopia**  
003875

**Deuteranopia**  
003C63



# Trichromacy



**Original Color**  
000DBD

**Protanomaly**  
00288F

**Deuteranomaly**  
002B84

**Tritanomaly**  
002D6F

# Monochromacy



**Original Color**  
000DBD

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
121757

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 000DBD 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 #000DBD looks like.

```
.text, #text, p{  
    color:#000DBD  
}
```

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 #000DBD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #000DBD
}
```

## Border

The CSS property to change the border of an element to Hex 000DBD 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
#000DBD }
```

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

```
.border{ border-color:#000DBD }
```

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

Here you see how a box with a 4 pixel #000DBD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #000DBD; -webkit-box-shadow:4px 4px  
4px 4px #000DBD; box-shadow:4px 4px 4px  
4px #000DBD }
```

# Background

The CSS property to change the background color of an element to Hex 000DBD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#000DBD }
```

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

```
.background{ background-color:#000DBD }
```

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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