

# Converting Colors

Hex(0017DB)

Have a look what the booklet for  
Hex(0017DB) contains.

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**Color**

**Hex(0017DB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0017DB
RGB	0, 23, 219
RGB Percent	0%, 9%, 86%
CMY	1.0000, 0.9098, 0.1412
CMYK	1.00, 0.89, 0.00, 0.14
HSL	234°, 100%, 43%
HSV	234°, 100%, 86%
XYZ	13.0926, 5.7273, 67.4332
YIQ	38.4670, -76.6240, 56.0800

# Conversions

## Conversions Part 2

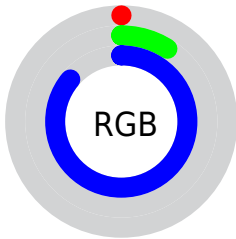
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 21, 219
Decimal	6107
CIE Lab	28.71, 65.49, -93.39
CIE LCh	29, 114.063, 305.043
Yxy	5.7273, 0.1518, 0.0664
Android (android.graphics.Color)	4278196187 (0xFF0017DB)
YUV	38.4670, 89.0028, -33.7356
Hunter-Lab	23.9317, 55.7735, -150.3114

# Details

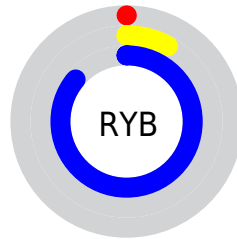
The Hex color **0017DB** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **DBC400**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **6E4DFF**, and **0000A2** is the 20% darker color. If you saturate the color by 10%, you get **0017DB**, and if you desaturate by 10%, it is **162BDB**.

# Distribution



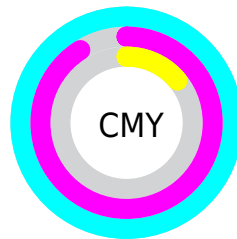
- Red (0%)
- Green (9%)
- Blue (86%)



- Red (0%)
- Yellow (8%)
- Blue (86%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (91%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0017DB 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 0017DB by changing the saturation by 10% instead.



 0017DB

 0017DB

FFFFFF

 0000BE

 6E4DFF

 0000A2

 9067FF

 000087

 B181FF

 00066C

 D19CFF

 000B53

 F1B8FF

 00063B

 FFD4FF

 000224

 FFF1FF

 00000C

 000000

 0017DB

 162BDB

 2C3EDB

 4252DB

 5865DB

 6E79DB

 838DDB

 99A0DB

 AFB4DB

 C5C7DB

# Harmonies

## Analogous

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



0052FE



0017DB



AD0091

# Triad

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



0017DB



8B0E00



005D52

# Complementary

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



0017DB



DBC400

# 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.



005A00



0017DB



474700

# Square

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



0017DB



BA0000



005600



0060AB

# Rectangle

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



0017DB



C80057



005600



005C32



# Sweetspot

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



0017DB



B3BBFF



00DBC1



525680



000000



808080



# Same Dimension

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



0017DB



001BFF



5400DB



63646E



0012AD



00052E



# Inverse Universe

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



DB0017



FF001B



87DB00



6E6364



AD0012

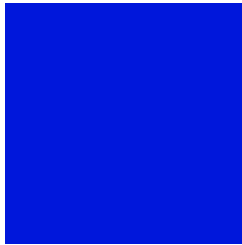


2E0005



# Previews

## White Background



This preview shows how the Hex color 0017DB looks on a white background.

## Color Contrast Check

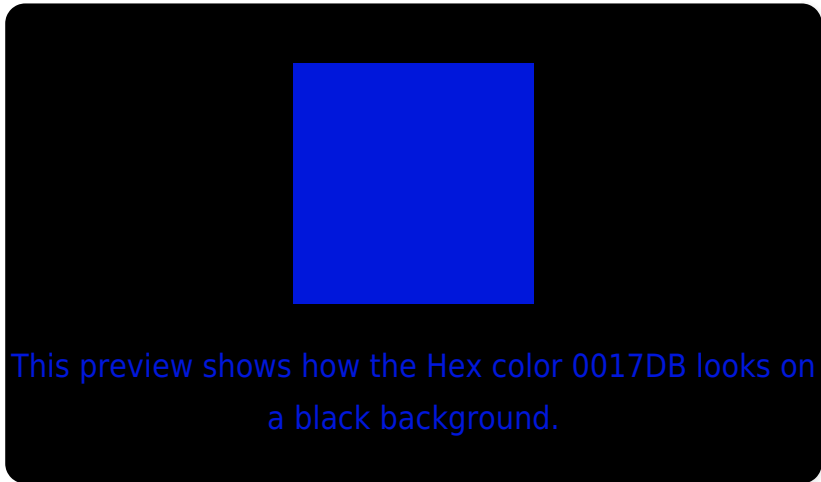
Large Text (above 18pt) WCAG AA ✓ Pass

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

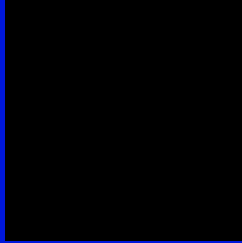
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0017DB Background



This preview shows how black text looks on a background with the Hex color 0017DB.



This preview shows how white text looks on a background with the Hex color 0017DB.

# 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**  
0017DB

**Protanopia**  
00428A

**Deuteranopia**  
004675



**Tritanopia**  
004C4F

# Trichromacy



**Original Color**  
0017DB

**Protanomaly**  
0032A7

**Deuteranomaly**  
00359A

**Tritanomaly**  
003982

# Monochromacy



**Original Color**  
0017DB

**Achromatopsia**  
262626

**Achromatomaly**  
182168

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0017DB 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 #0017DB looks like.

```
.text, #text, p{  
    color:#0017DB  
}
```

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 #0017DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0017DB
}
```

## Border

The CSS property to change the border of an element to Hex 0017DB 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
#0017DB }
```

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

```
.border{ border-color:#0017DB }
```

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

Here you see how a box with a 4 pixel #0017DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0017DB; -webkit-box-shadow:4px 4px  
4px 4px #0017DB; box-shadow:4px 4px 4px  
4px #0017DB }
```

# Background

The CSS property to change the background color of an element to Hex 0017DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0017DB }
```

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

```
.background{ background-color:#0017DB }
```

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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