

# Converting Colors

Hex(0025D0)

Have a look what the booklet for  
Hex(0025D0) contains.

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**Color**

**Hex(0025D0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0025D0
RGB	0, 37, 208
RGB Percent	0%, 15%, 82%
CMY	1.0000, 0.8549, 0.1843
CMYK	1.00, 0.82, 0.00, 0.18
HSL	229°, 100%, 41%
HSV	229°, 100%, 82%
XYZ	12.0467, 5.8772, 60.1740
YIQ	45.4310, -76.9430, 45.3370

# Conversions

## Conversions Part 2

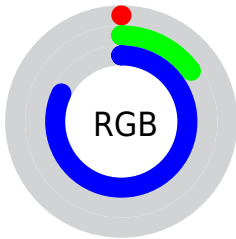
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 31, 208
Decimal	9680
CIE Lab	29.10, 56.76, -86.37
CIE LCh	29, 103.349, 303.312
Yxy	5.8772, 0.1543, 0.0753
Android (android.graphics.Color)	4278199760 (0xFF0025D0)
YUV	45.4310, 80.1465, -39.8430
Hunter-Lab	24.2429, 46.2746, -130.1951

# Details

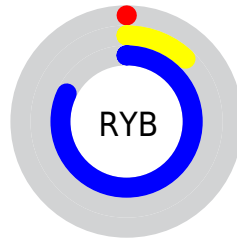
The Hex color **0025D0** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D0AB00**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **6A56FF**, and **000098** is the 20% darker color. If you saturate the color by 10%, you get **0025D0**, and if you desaturate by 10%, it is **1536D0**.

# Distribution



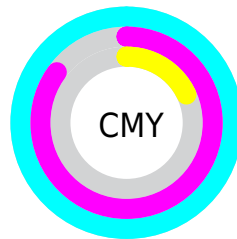
- Red (0%)
- Green (15%)
- Blue (82%)



- Red (0%)
- Yellow (12%)
- Blue (82%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (85%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0025D0 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 0025D0 by changing the saturation by 10% instead.



 0025D0

 0025D0

FFFFFF

 000CB4

 6A56FF

 000098

 8B6FFF

 00007D

 AB8AFF

 000863

 CAA4FF

 00094A

 EAC0FF

 000432

 FFDCFF

 00021C

 FFF9FF

 000000

 0025D0

 1536D0

 2A47D0

 3E58D0

 5369D0

 687BD0

 7D8CD0

 929DD0

 A6AED0

 BBBFD0

# Harmonies

## Analogous

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



0052ED



0025D0



A2008F

# Triad

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



0025D0



8A1500



005D4C

# Complementary

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



0025D0



D0AB00

# 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



0025D0



4D4600

# Square

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



0025D0



B40000



005500



005F9D

# Rectangle

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



0025D0



BD005A



005500



005C30



# Sweetspot

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



0025D0



B3C0FF



00D0AA



525A80



000000



808080



# Same Dimension

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



0025D0



002DFF



4200D0



5E6069



001EA8



000729



# Inverse Universe

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



D00025



FF002D



8ED000



695E60



A8001E

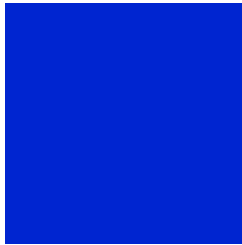


290007



# Previews

## White Background



This preview shows how the Hex color 0025D0 looks on a white background.

## Color Contrast Check

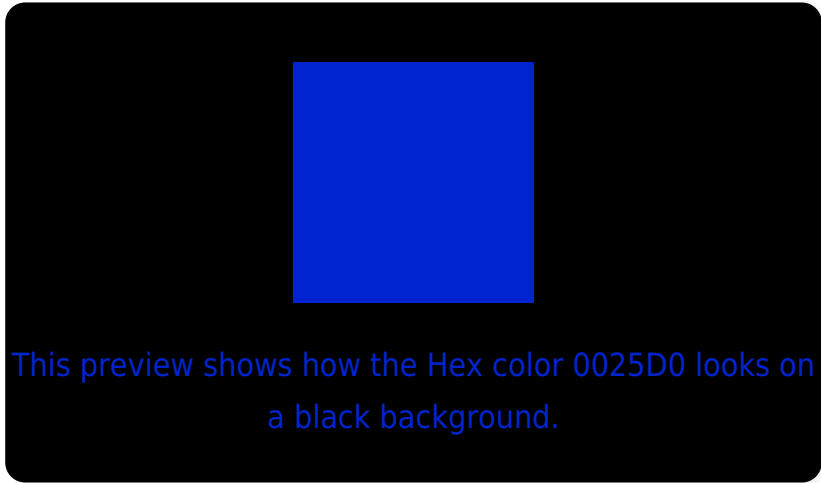
Large Text (above 18pt) WCAG AA ✓ Pass

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

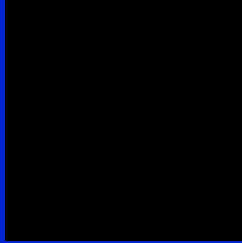
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0025D0 Background



This preview shows how black text looks on a background with the Hex color 0025D0.



This preview shows how white text looks on a background with the Hex color 0025D0.

# 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**  
0025D0

**Protanopia**  
00428C

**Deuteranopia**  
004776



# Trichromacy



**Original Color**  
0025D0

**Protanomaly**  
0037A5

**Deuteranomaly**  
003B97

**Tritanomaly**  
003E7F

# Monochromacy



**Original Color**  
0025D0

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
1D2A68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0025D0 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 #0025D0 looks like.

```
.text, #text, p{  
    color:#0025D0  
}
```

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 #0025D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0025D0
}
```

## Border

The CSS property to change the border of an element to Hex 0025D0 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
#0025D0 }
```

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

```
.border{ border-color:#0025D0 }
```

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

Here you see how a box with a 4 pixel #0025D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0025D0; -webkit-box-shadow:4px 4px  
4px 4px #0025D0; box-shadow:4px 4px 4px  
4px #0025D0 }
```

# Background

The CSS property to change the background color of an element to Hex 0025D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0025D0 }
```

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

```
.background{ background-color:#0025D0 }
```

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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