

Converting Colors

Hex(0045D2)

Have a look what the booklet for
Hex(0045D2) contains.

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Color

Hex(0045D2)

Conversions

Conversions Part 1

Format	Color
Hex	0045D2
RGB	0, 69, 210
RGB Percent	0%, 27%, 82%
CMY	1.0000, 0.7294, 0.1765
CMYK	1.00, 0.67, 0.00, 0.18
HSL	220°, 100%, 41%
HSV	220°, 100%, 82%
XYZ	13.7610, 8.9094, 61.9672
YIQ	64.4430, -86.3850, 29.2230

Conversions

Conversions Part 2

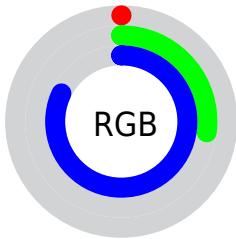
Format	Color
R _Y B	0, 52, 210
Decimal	17874
CIE Lab	35.81, 39.23, -76.41
CIE LCh	36, 85.897, 297.176
Yxy	8.9094, 0.1626, 0.1053
Android (android.graphics.Color)	4278207954 (0xFF0045D2)
YUV	64.4430, 71.7596, -56.5165
Hunter-Lab	29.8486, 30.0581, -102.1950

Details

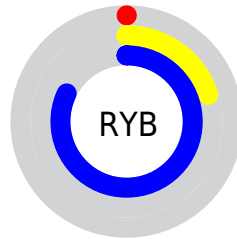
The Hex color **0045D2** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D28D00**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **6775FF**, and **001B9A** is the 20% darker color. If you saturate the color by 10%, you get **0045D2**, and if you desaturate by 10%, it is **1553D2**.

Distribution



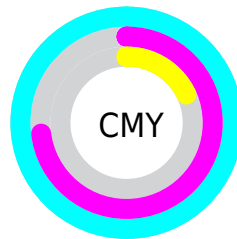
- Red (0%)
- Green (27%)
- Blue (82%)



- Red (0%)
- Yellow (20%)
- Blue (82%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (73%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0045D2 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 0045D2 by changing the saturation by 10% instead.

■ 0045D2

■ 0045D2

FFFFFF

■ 002FB6

■ 6775FF

■ 001B9A

■ 888FFF

■ 000A7F

■ A7A9FF

■ 000065

■ C6C4FF

■ 00094C

■ E6E0FF

■ 000434

■ FFFDFF

■ 00021E

■ 000001

■ 000000

■ 0045D2

■ 1553D2

■ 2A61D2

■ 3F6FD2

■ 547DD2

■ 698CD2

■ 7E9AD2

■ 93A8D2

■ A8B6D2

■ BDC4D2

Harmonies

Analogous

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



0061E2



0045D2



9B00A0

Triad

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



0045D2



9F2900



006D4C

Complementary

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



0045D2



D28D00

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.



006900



0045D2



6D5000

Square

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



0045D2



BF001C



236200



006E92

Rectangle

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



0045D2



BA0075



236200



006C33

Sweetspot

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



0045D2



B3CCFF



00D28C



526180



000000



808080

Same Dimension

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



0045D2



0054FF



2300D2



5E6269



0037A8



000D29

Inverse Universe

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



D20045



FF0054



AFD200



695E62



A80037



29000D

Previews

White Background



This preview shows how the Hex color 0045D2 looks on a white background.

Color Contrast Check

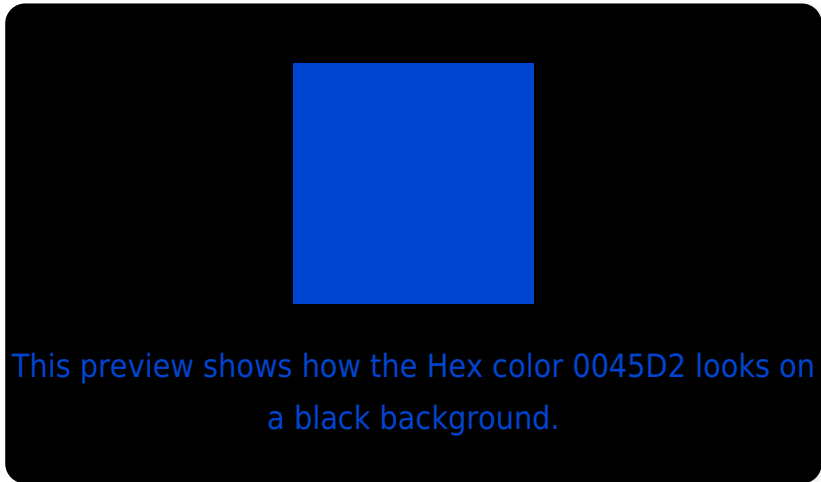
Large Text (above 18pt) WCAG AA ✓ Pass

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

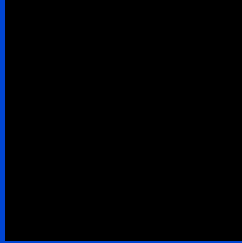
Any Text WCAG AA × Fail

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 0045D2 Background



This preview shows how black text looks on a background with the Hex color 0045D2.

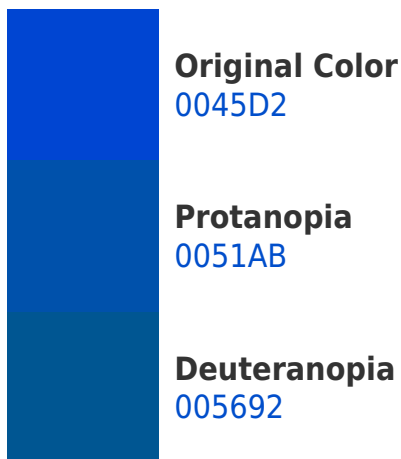


This preview shows how white text looks on a background with the Hex color 0045D2.

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





Tritanopia
005D62

Trichromacy



Original Color
0045D2

Protanomaly
004DB9

Deuteranomaly
0050A9

Tritanomaly
00548B

Monochromacy



Original Color
0045D2

Achromatopsia
404040

Achromatomaly
294275

CSS Examples

Text

The CSS property to change the color of the text to Hex 0045D2 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 #0045D2 looks like.

```
.text, #text, p{  
    color:#0045D2  
}
```

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 #0045D2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0045D2
}
```

Border

The CSS property to change the border of an element to Hex 0045D2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

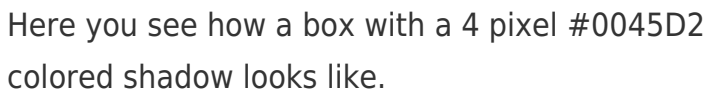
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0045D2 }
```

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

```
.border{ border-color:#0045D2 }
```

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



Here you see how a box with a 4 pixel #0045D2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0045D2; -webkit-box-shadow:4px 4px  
4px 4px #0045D2; box-shadow:4px 4px 4px  
4px #0045D2 }
```

Background

The CSS property to change the background color of an element to Hex 0045D2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0045D2 }
```

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

```
.background{ background-color:#0045D2 }
```

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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