

Converting Colors

Hex(0045C1)

Have a look what the booklet for
Hex(0045C1) contains.

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Color

Hex(0045C1)

Conversions

Conversions Part 1

Format	Color
Hex	0045C1
RGB	0, 69, 193
RGB Percent	0%, 27%, 76%
CMY	1.0000, 0.7294, 0.2431
CMYK	1.00, 0.64, 0.00, 0.24
HSL	219°, 100%, 38%
HSV	219°, 100%, 76%
XYZ	11.7538, 8.1065, 51.3973
YIQ	62.5050, -80.9280, 23.9360

Conversions

Conversions Part 2

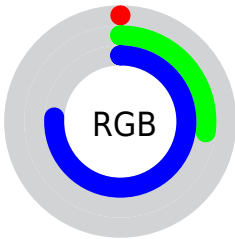
Format	Color
R _{YB}	0, 51, 193
Decimal	17857
CIE _{Lab}	34.20, 32.71, -69.17
CIE _{LCh}	34, 76.511, 295.310
Yxy	8.1065, 0.1649, 0.1138
Android (android.graphics.Color)	4278207937 (0xFF0045C1)
YUV	62.5050, 64.3340, -54.8169
Hunter-Lab	28.4719, 23.8624, -87.0995

Details

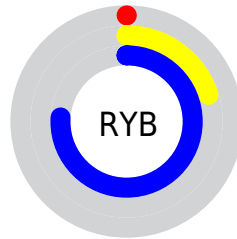
The Hex color **0045C1** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **C17C00**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **6275FB**, and **001C8A** is the 20% darker color. If you saturate the color by 10%, you get **0045C1**, and if you desaturate by 10%, it is **1351C1**.

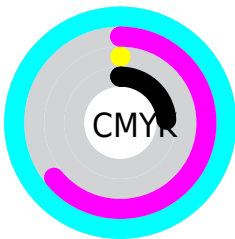
Distribution



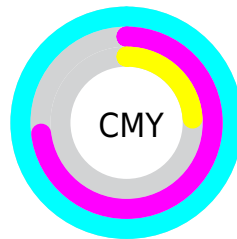
- Red (0%)
- Green (27%)
- Blue (76%)



- Red (0%)
- Yellow (20%)
- Blue (76%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (73%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0045C1 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 0045C1 by changing the saturation by 10% instead.

■ 0045C1

FFFFFF

■ 6275FB

■ 818EFF

■ A0A9FF

■ BFC4FF

■ DDE0FF

■ FCFCFF

■ 0045C1

■ 002FA5

■ 001C8A

■ 000870

■ 000656

■ 00063E

■ 000327

■ 000111

■ 000000

■ 0045C1

■ 1351C1

■ 275EC1

■ 3A6AC1

■ 4D77C1

■ 6183C1

■ 748FC1

■ 879CC1

■ 9AA8C1

■ AEB5C1

Harmonies

Analogous

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



005CCD



0045C1



8C0D97

Triad

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



0045C1



972A00



006745

Complementary

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



0045C1



C17C00

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.



006300



0045C1



6B4B00

Square

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



0045C1



B10022



2F5C00



006884

Rectangle

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



0045C1



A90071



2F5C00



00662F

Sweetspot

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



0045C1



AFCAFA



00C17A



50607D



FCFCFC



7D7D7D

Same Dimension

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



0045C1



0059FA



1A00C1



575B61



0039A1



000C21

Inverse Universe

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



C10045



FA0059



A7C100



61575B



A10039



21000C

Previews

White Background



This preview shows how the Hex color 0045C1 looks on a white background.

Color Contrast Check

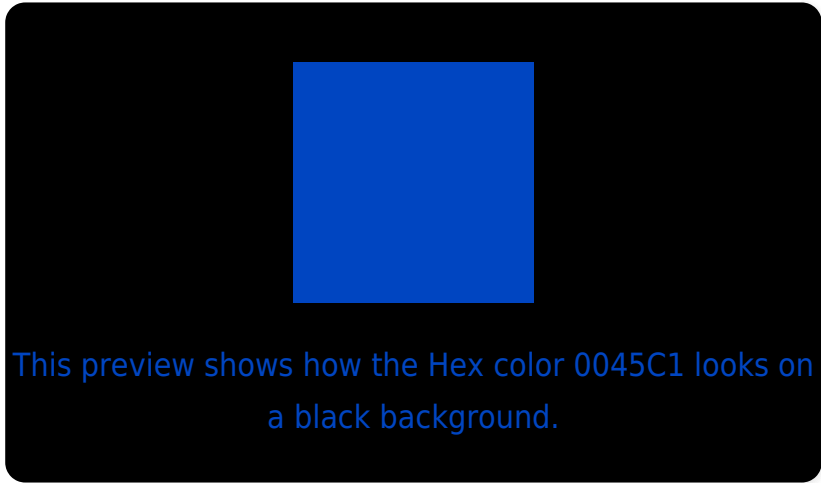
Large Text (above 18pt) WCAG AA ✓ Pass

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

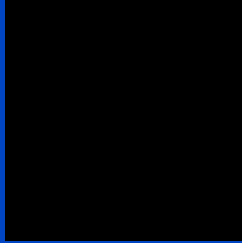
Any Text WCAG AA × Fail

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 0045C1 Background



This preview shows how black text looks on a background with the Hex color 0045C1.



This preview shows how white text looks on a background with the Hex color 0045C1.

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

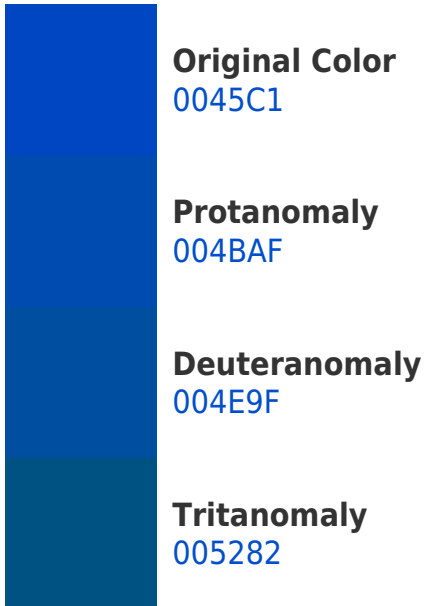


Original Color
0045C1

Protanopia
004EA4

Deuteranopia
00538C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 0045C1 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 #0045C1 looks like.

```
.text, #text, p{  
    color:#0045C1  
}
```

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 #0045C1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0045C1
}
```

Border

The CSS property to change the border of an element to Hex 0045C1 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
#0045C1 }
```

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

```
.border{ border-color:#0045C1 }
```

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

Here you see how a box with a 4 pixel #0045C1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0045C1; -webkit-box-shadow:4px 4px  
4px 4px #0045C1; box-shadow:4px 4px 4px  
4px #0045C1 }
```

Background

The CSS property to change the background color of an element to Hex 0045C1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0045C1 }
```

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

```
.background{ background-color:#0045C1 }
```

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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