

Converting Colors

Hex(0050BD)

Have a look what the booklet for
Hex(0050BD) contains.

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Color

Hex(0050BD)

Conversions

Conversions Part 1

Format	Color
Hex	0050BD
RGB	0, 80, 189
RGB Percent	0%, 31%, 74%
CMY	1.0000, 0.6863, 0.2588
CMYK	1.00, 0.58, 0.00, 0.26
HSL	215°, 100%, 37%
HSV	215°, 100%, 74%
XYZ	12.0540, 9.4114, 49.3254
YIQ	68.5060, -82.6690, 16.9390

Conversions

Conversions Part 2

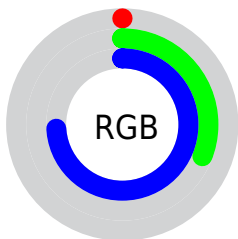
Format	Color
R _{YB}	0, 56, 189
Decimal	20669
CIE Lab	36.76, 23.77, -62.63
CIE LCh	37, 66.990, 290.787
Yxy	9.4114, 0.1703, 0.1329
Android (android.graphics.Color)	4278210749 (0xFF0050BD)
YUV	68.5060, 59.4035, -60.0798
Hunter-Lab	30.6781, 16.4492, -73.8541

Details

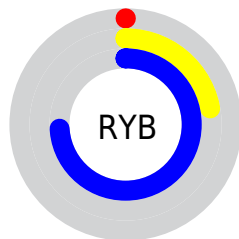
The Hex color **0050BD** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **BD6D00**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **5F80F6**, and **002587** is the 20% darker color. If you saturate the color by 10%, you get **0050BD**, and if you desaturate by 10%, it is **135BBD**.

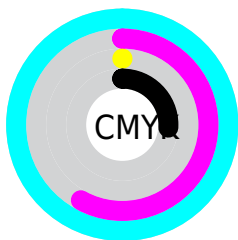
Distribution



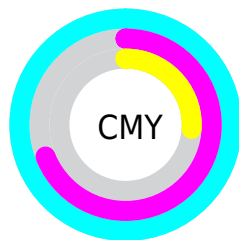
- Red (0%)
- Green (31%)
- Blue (74%)



- Red (0%)
- Yellow (22%)
- Blue (74%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (69%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0050BD 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 0050BD by changing the saturation by 10% instead.

 0050BD

 0050BD

FFFFFF

 003AA1

 5F80F6

 002587

 7F9AFF

 00136C

 9DB5FF

 000453

 BCD0FF

 00063B

 DAECFF

 000225

 F8FFFF

 00010D

 000000

 0050BD

 135BBD

 2666BD

 3971BD

 4C7CBD

 5F87BD

 7191BD

 849CBD

 97A7BD

 AAB2BD

Harmonies

Analogous

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



0063C3



0050BD



84309C

Triad

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



0050BD



9D3200



006C43

Complementary

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



0050BD



BD6D00

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.



006800



0050BD



784E00

Square

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



0050BD



B00034



475F00



006D7C

Rectangle

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



0050BD



A20C7B



475F00



006B30

Sweetspot

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



0050BD



ABCAF5



00BD6B



4E617A



FAFAFA



7A7A7A

Same Dimension

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



0050BD



0068F5



0D00BD



55595E



00439E



000D1F

Inverse Universe

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



BD0050



F50068



B0BD00



5E5559



9E0043



1F000D

Previews

White Background



This preview shows how the Hex color 0050BD looks on a white background.

Color Contrast Check

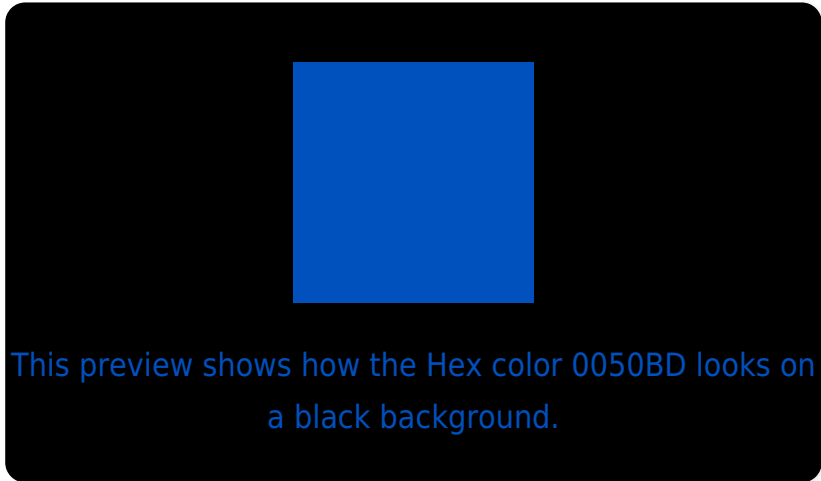
Large Text (above 18pt) WCAG AA ✓ Pass

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

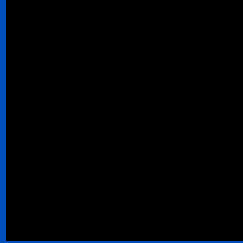
Any Text WCAG AA × Fail

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 0050BD Background



This preview shows how black text looks on a background with the Hex color 0050BD.



This preview shows how white text looks on a background with the Hex color 0050BD.

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
0050BD

Protanopia
0053B1

Deuteranopia
005998

Trichromacy



Original Color
0050BD

Protanomaly
0052B5

Deuteranomaly
0056A5

Tritanomaly
005A86

Monochromacy



Original Color
0050BD

Achromatopsia
454545

Achromatomaly
2C4971

CSS Examples

Text

The CSS property to change the color of the text to Hex 0050BD 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 #0050BD looks like.

```
.text, #text, p{  
    color:#0050BD  
}
```

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 #0050BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0050BD
}
```

Border

The CSS property to change the border of an element to Hex 0050BD 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
#0050BD }
```

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

```
.border{ border-color:#0050BD }
```

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

Here you see how a box with a 4 pixel #0050BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0050BD; -webkit-box-shadow:4px 4px  
4px 4px #0050BD; box-shadow:4px 4px 4px  
4px #0050BD }
```

Background

The CSS property to change the background color of an element to Hex 0050BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0050BD }
```

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

```
.background{ background-color:#0050BD }
```

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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