

Converting Colors

Hex(0046B6)

Have a look what the booklet for
Hex(0046B6) contains.

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Color

Hex(0046B6)

Conversions

Conversions Part 1

Format	Color
Hex	0046B6
RGB	0, 70, 182
RGB Percent	0%, 27%, 71%
CMY	1.0000, 0.7255, 0.2863
CMYK	1.00, 0.62, 0.00, 0.29
HSL	217°, 100%, 36%
HSV	217°, 100%, 71%
XYZ	10.6337, 7.7577, 45.1929
YIQ	61.8380, -77.6720, 19.9920

Conversions

Conversions Part 2

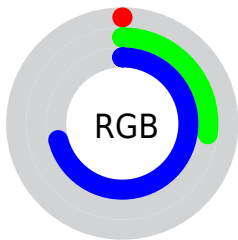
Format	Color
RYB	0, 51, 182
Decimal	18102
CIELab	33.47, 27.68, -63.89
CIELCh	33, 69.628, 293.425
Yxy	7.7577, 0.1672, 0.1220
Android (android.graphics.Color)	4278208182 (0xFF0046B6)
YUV	61.8380, 59.2399, -54.2319
Hunter-Lab	27.8527, 19.4059, -76.7053

Details

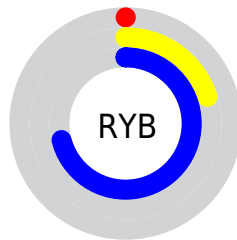
The Hex color **0046B6** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **B67000**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **5E76EF**, and **001D80** is the 20% darker color. If you saturate the color by 10%, you get **0046B6**, and if you desaturate by 10%, it is **1251B6**.

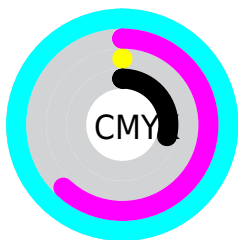
Distribution



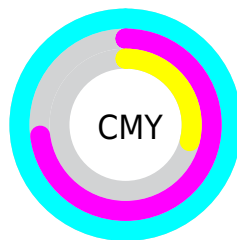
- Red (0%)
- Green (27%)
- Blue (71%)



- Red (0%)
- Yellow (20%)
- Blue (71%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (73%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0046B6 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 0046B6 by changing the saturation by 10% instead.

 0046B6

 0046B6

FFFFFF

 00309B

 5E76EF

 001D80

 7D8FFF

 000766

 9CA9FF

 000A4D

 BAC5FF

 000535

 D8E1FF

 00021F

 F6FDFD

 000002

 000000

 0046B6

 1251B6

 245CB6

 3768B6

 4973B6

 5B7EB6

 6D89B6

 7F94B6

 92A0B6

 A4ABB6

Harmonies

Analogous

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



005ABF



0046B6



821F92

Triad

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



0046B6



922B00



006340

Complementary

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



0046B6



B67000

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.



006000



0046B6



6B4900

Square

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



0046B6



A80027



375800



00657A

Rectangle

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



0046B6



9E0070



375800



00632D

Sweetspot

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



0046B6



A6C1ED



00B66D



4D5D78



F7F7F7



787878

Same Dimension

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



0046B6



005BED



1200B6



53565C



003C9C



000B1C

Inverse Universe

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



B60046



ED005B



A4B600



5C5356



9C003C



1C000B

Previews

White Background



This preview shows how the Hex color 0046B6 looks on a white background.

Color Contrast Check

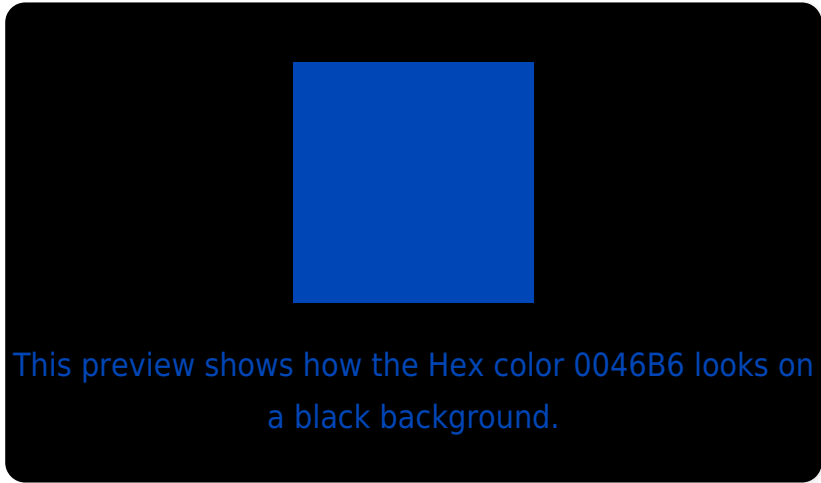
Large Text (above 18pt) WCAG AA ✓ Pass

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

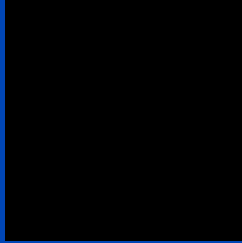
Any Text WCAG AA × Fail

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 0046B6 Background



This preview shows how black text looks on a background with the Hex color 0046B6.

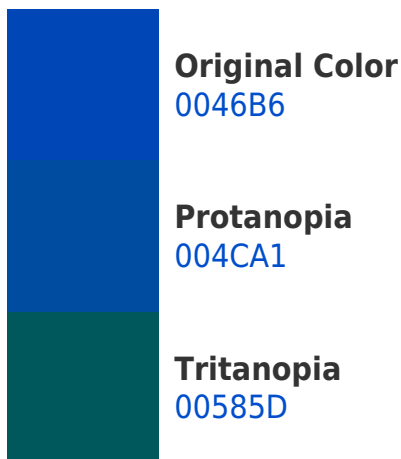


This preview shows how white text looks on a background with the Hex color 0046B6.

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



Trichromacy



Original Color
0046B6

Protanomaly
004AA9

Tritanomaly
00517D

Monochromacy



Original Color
0046B6

Achromatopsia
3E3E3E

Achromatomaly
27416A

CSS Examples

Text

The CSS property to change the color of the text to Hex 0046B6 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 #0046B6 looks like.

```
.text, #text, p{  
    color:#0046B6  
}
```

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 #0046B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0046B6
}
```

Border

The CSS property to change the border of an element to Hex 0046B6 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
#0046B6 }
```

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

```
.border{ border-color:#0046B6 }
```

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

Here you see how a box with a 4 pixel #0046B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0046B6; -webkit-box-shadow:4px 4px  
4px 4px #0046B6; box-shadow:4px 4px 4px  
4px #0046B6 }
```

Background

The CSS property to change the background color of an element to Hex 0046B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0046B6 }
```

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

```
.background{ background-color:#0046B6 }
```

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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