

# Converting Colors

Hex(0048BA)

Have a look what the booklet for  
Hex(0048BA) contains.

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# Color

**Hex(0048BA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0048BA
RGB	0, 72, 186
RGB Percent	0%, 28%, 73%
CMY	1.0000, 0.7176, 0.2706
CMYK	1.00, 0.61, 0.00, 0.27
HSL	217°, 100%, 36%
HSV	217°, 100%, 73%
XYZ	11.1803, 8.1799, 47.4440
YIQ	63.4680, -79.5060, 20.1900

# Conversions

## Conversions Part 2

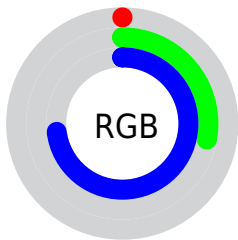
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 52, 186
Decimal	18618
CIELab	34.35, 27.94, -64.81
CIELCh	34, 70.573, 293.322
Yxy	8.1799, 0.1674, 0.1224
Android (android.graphics.Color)	4278208698 (0xFF0048BA)
YUV	63.4680, 60.4083, -55.6614
Hunter-Lab	28.6005, 19.7269, -78.3329

# Details

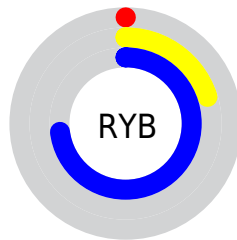
The Hex color **0048BA** is a dark color, and the websafe version is hex **003399**, and the color name is **absolute zero**. A complement of this color would be **BA7200**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **5F78F3**, and **001E84** is the 20% darker color. If you saturate the color by 10%, you get **0048BA**, and if you desaturate by 10%, it is **1353BA**.

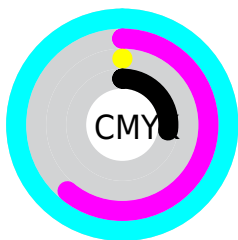
# Distribution



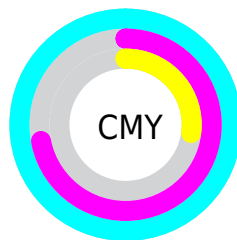
- Red (0%)
- Green (28%)
- Blue (73%)



- Red (0%)
- Yellow (20%)
- Blue (73%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (72%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0048BA 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 0048BA by changing the saturation by 10% instead.



 0048BA

 0048BA

FFFFFF

 00329E

 5F78F3

 001E84

 7F91FF

 000B6A

 9DACFF

 000851

 BBC7FF

 000539

 DAE3FF

 000222

 F8FFFF

 000008

 000000

 0048BA

■ 1353BA

■ 255FBA

■ 386ABA

■ 4A76BA

■ 5D81BA

■ 708CBA

■ 8298BA

■ 95A3BA

■ A7AFBA

# Harmonies

## Analogous

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



005CC3



0048BA



852095

# Triad

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



0048BA



952C00



006642

# Complementary

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



0048BA



BA7200

# 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



0048BA



6E4A00

# Square

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



0048BA



AC0029



395B00



00677C

# Rectangle

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



0048BA



A20072



395B00



00652E



# Sweetspot

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



0048BA



AAC6F2



00BA70



4E5F7A



FAFAFA



7A7A7A



# Same Dimension

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



0048BA



005EF2



1300BA



53565C



003C9C



000B1C



# Inverse Universe

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



BA0048



F2005E



A7BA00



5C5356



9C003C



1C000B



# Previews

## White Background



This preview shows how the Hex color 0048BA looks on a white background.

## Color Contrast Check

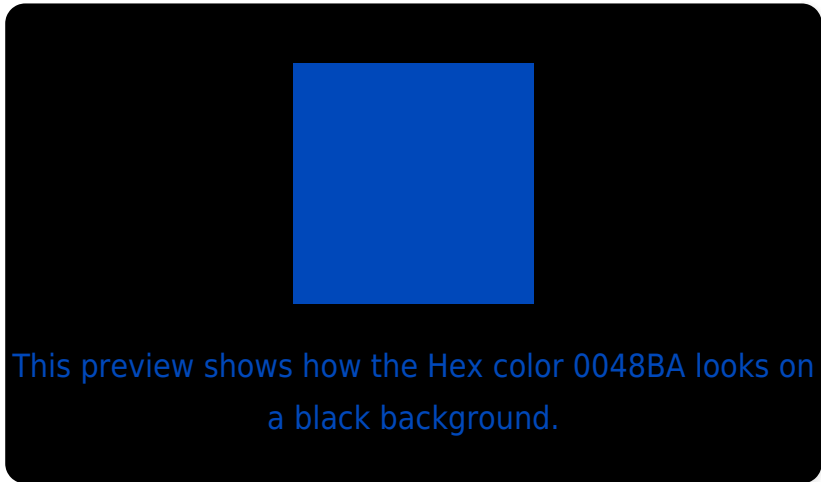
Large Text (above 18pt) WCAG AA ✓ Pass

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

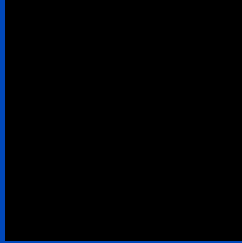
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0048BA Background



This preview shows how black text looks on a background with the Hex color 0048BA.



This preview shows how white text looks on a background with the Hex color 0048BA.

# 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**

0048BA

**Protanopia**

004EA5

**Deuteranopia**

00538D



**Tritanopia**  
005A5F

# Trichromacy



**Original Color**  
0048BA

**Protanomaly**  
004CAD

**Deuteranomaly**  
004F9D

**Tritanomaly**  
005380

# Monochromacy



**Original Color**  
0048BA

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
28426C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0048BA 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 #0048BA looks like.

```
.text, #text, p{  
    color:#0048BA  
}
```

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 #0048BA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0048BA
}
```

## Border

The CSS property to change the border of an element to Hex 0048BA is called "border". The border property can be set on classes, ids or directly on the HTML element.

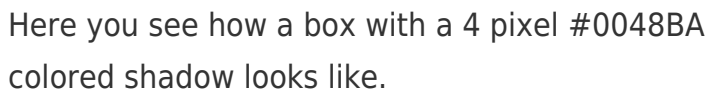
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0048BA }
```

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

```
.border{ border-color:#0048BA }
```

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



Here you see how a box with a 4 pixel #0048BA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0048BA; -webkit-box-shadow:4px 4px  
4px 4px #0048BA; box-shadow:4px 4px 4px  
4px #0048BA }
```

# Background

The CSS property to change the background color of an element to Hex 0048BA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0048BA }
```

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

```
.background{ background-color:#0048BA }
```

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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