

# Converting Colors

Hex(0048AC)

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

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# Color

**Hex(0048AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0048AC
RGB	0, 72, 172
RGB Percent	0%, 28%, 67%
CMY	1.0000, 0.7176, 0.3255
CMYK	1.00, 0.58, 0.00, 0.33
HSL	215°, 100%, 34%
HSV	215°, 100%, 67%
XYZ	9.7638, 7.6133, 39.9846
YIQ	61.8720, -75.0120, 15.8360

# Conversions

## Conversions Part 2

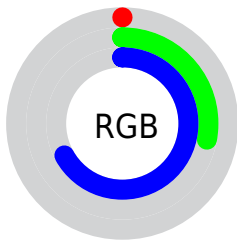
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 51, 172
Decimal	18604
CIE <sub>Lab</sub>	33.16, 22.25, -58.46
CIE <sub>LCh</sub>	33, 62.548, 290.842
Y <sub>xy</sub>	7.6133, 0.1702, 0.1327
Android (android.graphics.Color)	4278208684 (0xFF0048AC)
YUV	61.8720, 54.2931, -54.2617
Hunter-Lab	27.5922, 14.8776, -66.6043

# Details

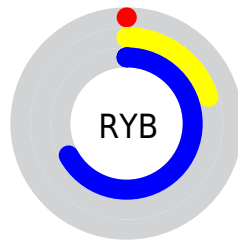
The Hex color **0048AC** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AC6400**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **5B78E4**, and **001E77** is the 20% darker color. If you saturate the color by 10%, you get **0048AC**, and if you desaturate by 10%, it is **1152AC**.

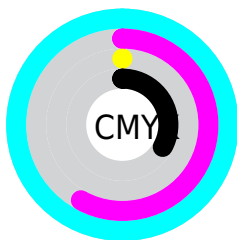
# Distribution



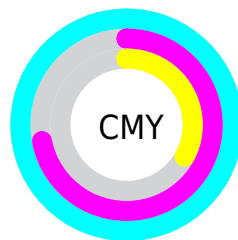
- Red (0%)
- Green (28%)
- Blue (67%)



- Red (0%)
- Yellow (20%)
- Blue (67%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (72%)
- Yellow (33%)

# Brightness & Saturation Gradients

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



 0048AC

 0048AC

FFFFFF

 003291

 5B78E4

 001E77

 7991FF

 00085D

 97ACFF

 000845

 B5C7FF

 00032D


 D3E3FF

 000118

 F1FFFF

 000000

 0048AC

 1152AC

■ 225CAC

■ 3466AC

■ 4570AC

■ 567AAC

■ 6784AC

■ 788EAC

■ 8A98AC

■ 9BA2AC

# Harmonies

## Analogous

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



0059B1



0048AC



782A8D

# Triad

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



0048AC



8E2D00



00613D

# Complementary

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



0048AC



AC6400

# 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.



005E00



0048AC



6D4700

# Square

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



0048AC



A0002F



405600



006270

# Rectangle

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



0048AC



940970



405600



00602B



# Sweetspot

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



0048AC



9DB9E0



00AC61



485970



F0F0F0



707070



# Same Dimension

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



0048AC



005EE0



0B00AC



4E5257



003F96



000A17



# Inverse Universe

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



AC0048



E0005E



A1AC00



574E52



96003F



17000A



# Previews

## White Background



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

## Color Contrast Check

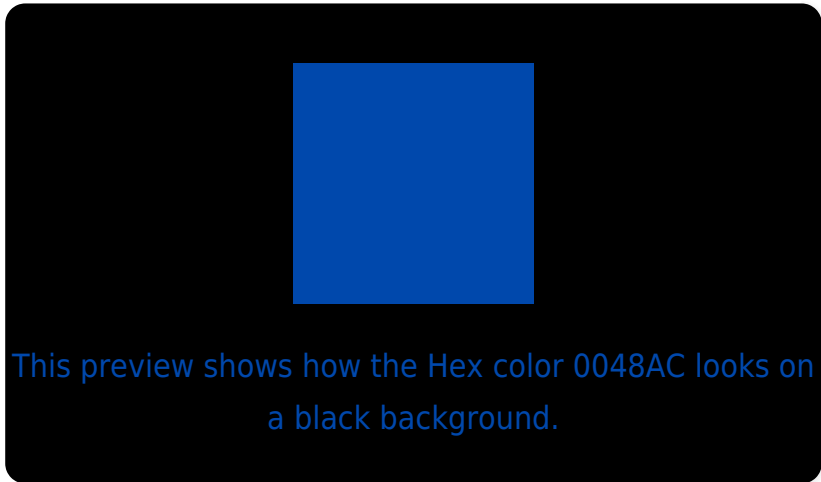
Large Text (above 18pt) WCAG AA ✓ Pass

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

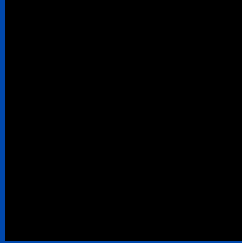
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0048AC Background



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



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

# 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**  
0048AC

**Protanopia**  
004BA0

**Deuteranopia**  
005089



**Tritanopia**  
00575C

# Trichromacy



**Original Color**  
0048AC

**Protanomaly**  
004AA4

**Deuteranomaly**  
004D96

**Tritanomaly**  
005279

# Monochromacy



**Original Color**  
0048AC

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
274266

# CSS Examples

## Text

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

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

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 #0048AC colored shadow looks like.

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

## Border

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

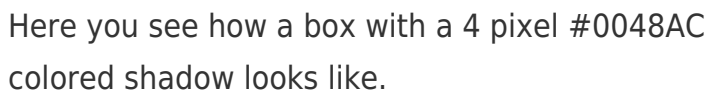
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

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

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

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

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



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

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

# Background

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

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

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

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

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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