

# Converting Colors

Hex(0047AC)

Have a look what the booklet for  
Hex(0047AC) contains.

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# Color

**Hex(0047AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0047AC
RGB	0, 71, 172
RGB Percent	0%, 28%, 67%
CMY	1.0000, 0.7216, 0.3255
CMYK	1.00, 0.59, 0.00, 0.33
HSL	215°, 100%, 34%
HSV	215°, 100%, 67%
XYZ	9.6996, 7.4850, 39.9633
YIQ	61.2850, -74.7370, 16.3590

# Conversions

## Conversions Part 2

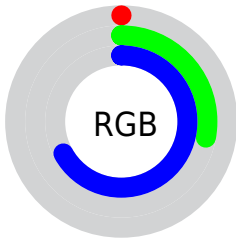
Format	Color
<b>RYB</b>	0, 50, 172
Decimal	18348
CIELab	32.89, 22.94, -58.91
CIELCh	33, 63.217, 291.275
Yxy	7.4850, 0.1697, 0.1310
Android (android.graphics.Color)	4278208428 (0xFF0047AC)
YUV	61.2850, 54.5825, -53.7469
Hunter-Lab	27.3588, 15.4065, -67.4543

# Details

The Hex color **0047AC** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AC6500**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **5B77E4**, and **001D77** is the 20% darker color. If you saturate the color by 10%, you get **0047AC**, and if you desaturate by 10%, it is **1151AC**.

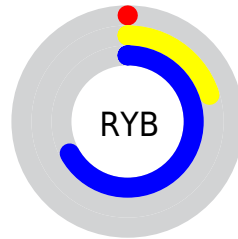
# Distribution



Red (0%)

Green (28%)

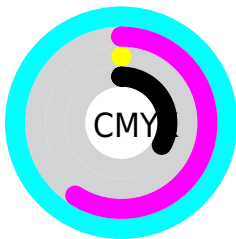
Blue (67%)



Red (0%)

Yellow (20%)

Blue (67%)

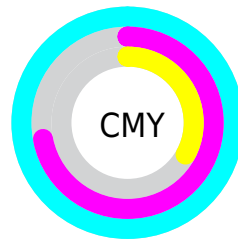


Cyan (100%)

Magenta (59%)

Yellow (0%)

Black (33%)



Cyan (100%)

Magenta (72%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0047AC 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 0047AC by changing the saturation by 10% instead.



■ 0047AC

■ 0047AC

FFFFFF

■ 003191

■ 5B77E4

■ 001D77

■ 7990FF

■ 00065D

■ 97AAFF

■ 000845

■ B5C6FF

■ 00032D

■ D3E2FF

■ 000118

■ F1FEFF

■ 000000

■ 0047AC

■ 1151AC

■ 225BAC

■ 3465AC

■ 456FAC

■ 5679AC

■ 6784AC

■ 788EAC

■ 8A98AC

■ 9BA2AC

# Harmonies

## Analogous

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



0058B2



0047AC



78288D

# Triad

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



0047AC



8E2C00



00613D

# Complementary

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



0047AC



AC6500

# 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.



005D00



0047AC



6B4600

# Square

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



0047AC



A0002D



3E5500



006270

# Rectangle

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



0047AC



94036F



3E5500



00602B



# Sweetspot

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



0047AC



9DB9E0



00AC64



485870



F0F0F0



707070



# Same Dimension

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



0047AC



005DE0



0E00AC



4E5257



003E96



000917



# Inverse Universe

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



AC0047



E0005D



9EAC00



574E52



96003E



170009



# Previews

## White Background



This preview shows how the Hex color 0047AC looks on a white background.

## Color Contrast Check

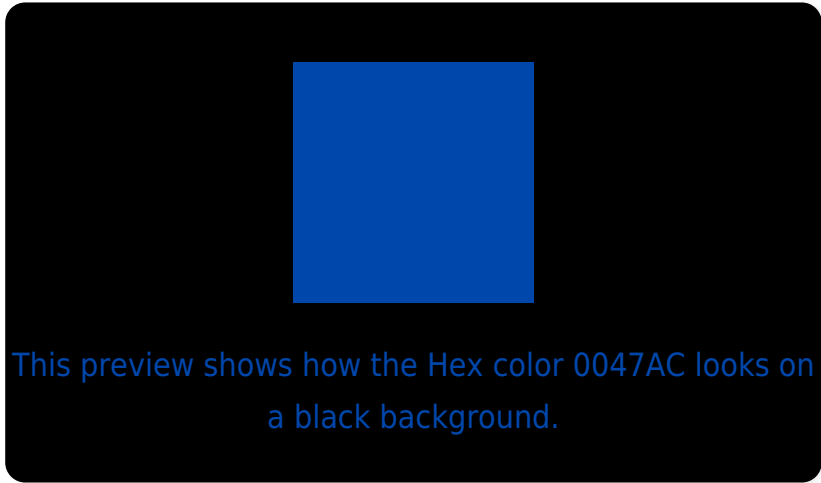
Large Text (above 18pt) WCAG AA ✓ Pass

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

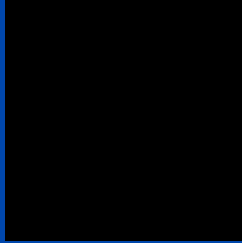
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0047AC Background



This preview shows how black text looks on a background with the Hex color 0047AC.



This preview shows how white text looks on a background with the Hex color 0047AC.

# 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**

0047AC

**Protanopia**

004B9E

**Deuteranopia**

005088



**Tritanopia**  
00565B

# Trichromacy



**Original Color**  
0047AC

**Protanomaly**  
004AA3

**Deuteranomaly**  
004D95

**Tritanomaly**  
005178

# Monochromacy



**Original Color**  
0047AC

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
274165

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0047AC 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 #0047AC looks like.

```
.text, #text, p{  
    color:#0047AC  
}
```

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 #0047AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0047AC
}
```

## Border

The CSS property to change the border of an element to Hex 0047AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

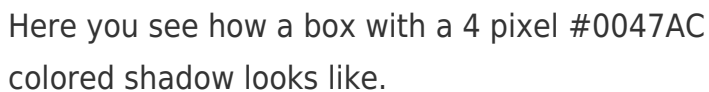
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0047AC }
```

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

```
.border{ border-color:#0047AC }
```

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



Here you see how a box with a 4 pixel #0047AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0047AC; -webkit-box-shadow:4px 4px  
4px 4px #0047AC; box-shadow:4px 4px 4px  
4px #0047AC }
```

# Background

The CSS property to change the background color of an element to Hex 0047AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0047AC }
```

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

```
.background{ background-color:#0047AC }
```

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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