

# Converting Colors

Hex(0071A9)

Have a look what the booklet for  
Hex(0071A9) contains.

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# Color

Hex(0071A9)

# Conversions

## Conversions Part 1

Format	Color
Hex	0071A9
RGB	0, 113, 169
RGB Percent	0%, 44%, 66%
CMY	1.0000, 0.5569, 0.3373
CMYK	1.00, 0.33, 0.00, 0.34
HSL	200°, 100%, 33%
HSV	200°, 100%, 66%
XYZ	13.0666, 14.6748, 39.6800
YIQ	85.5970, -85.3240, -6.5400

# Conversions

## Conversions Part 2

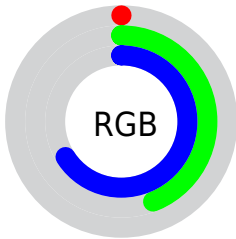
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 68, 169
Decimal	29097
CIELab	45.19, -5.68, -37.36
CIELCh	45, 37.793, 261.361
Yxy	14.6748, 0.1938, 0.2177
Android (android.graphics.Color)	4278219177 (0xFF0071A9)
YUV	85.5970, 41.1177, -75.0686
Hunter-Lab	38.3077, -6.1532, -34.5984

# Details

The Hex color **0071A9** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A93800**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **59A5E1**, and **004274** is the 20% darker color. If you saturate the color by 10%, you get **0071A9**, and if you desaturate by 10%, it is **1177A9**.

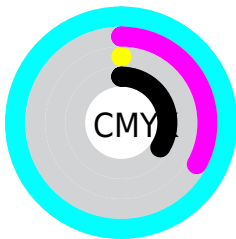
# Distribution



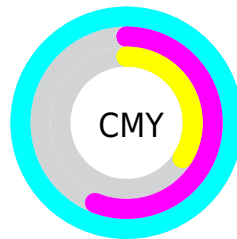
- Red (0%)
- Green (44%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (56%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0071A9 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 0071A9 by changing the saturation by 10% instead.



0071A9

0071A9

FFFFFF

00598E

59A5E1

004274

77C0FD

002C5C

95DBFF

001844

B2F8FF

00032D

D0FFFF

000117

EEFFFF

000000

0071A9

1177A9

■ 227CA9

■ 3382A9

■ 4487A9

■ 548DA9

■ 6593A9

■ 7698A9

■ 879EA9

■ 98A3A9

# Harmonies

## Analogous

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



00789B



0071A9



5E66A6

# Triad

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



0071A9



A65156



427742

# Complementary

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



0071A9



A93800

# 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.



67702D



0071A9



9B5A3B

# Square

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



0071A9



A05175



85662B



007A60

# Rectangle

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



0071A9



7D5E9A



85662B



4F753A



# Sweetspot

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



0071A9



9AC5DB



00A936



46616E



EDEDED



6E6E6E



# Same Dimension

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



0071A9



0093DB



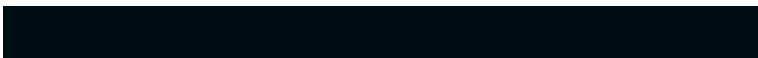
001FA9



4C5154



006394



000E14



# Inverse Universe

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



A90071



DB0093



A98A00



544C51



940063



14000E



# Previews

## White Background



This preview shows how the Hex color 0071A9 looks on a white background.

## Color Contrast Check

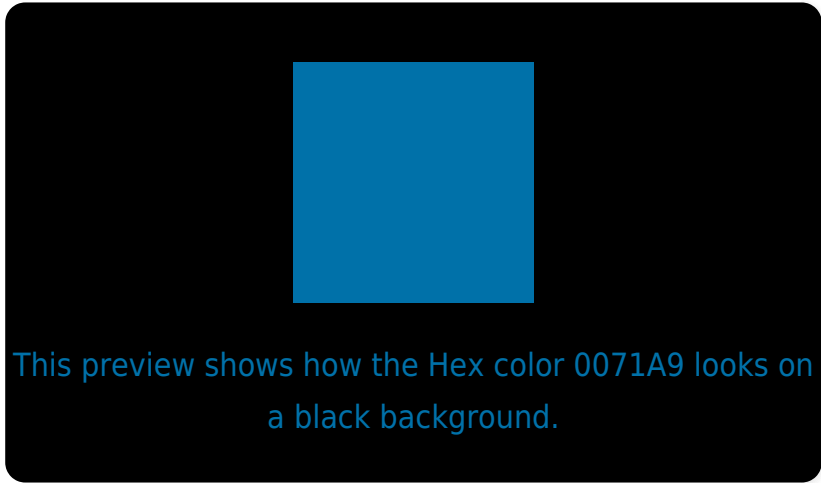
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

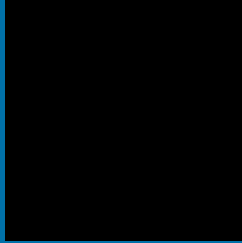
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0071A9 Background



This preview shows how black text looks on a background with the Hex color 0071A9.

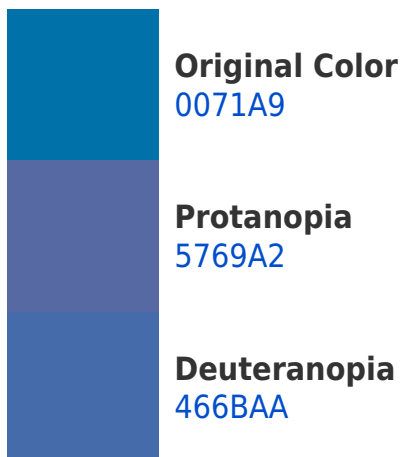


This preview shows how white text looks on a background with the Hex color 0071A9.

# 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**  
0071A9

**Protanomaly**  
376CA5

**Deuteranomaly**  
2D6DAA

# Monochromacy



**Original Color**  
0071A9

**Achromatopsia**  
565656

**Achromatomaly**  
376074

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0071A9 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 #0071A9 looks like.

```
.text, #text, p{  
    color:#0071A9  
}
```

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 #0071A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0071A9
}
```

## Border

The CSS property to change the border of an element to Hex 0071A9 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
#0071A9 }
```

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

```
.border{ border-color:#0071A9 }
```

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

Here you see how a box with a 4 pixel #0071A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0071A9; -webkit-box-shadow:4px 4px  
4px 4px #0071A9; box-shadow:4px 4px 4px  
4px #0071A9 }
```

# Background

The CSS property to change the background color of an element to Hex 0071A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0071A9 }
```

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

```
.background{ background-color:#0071A9 }
```

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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