

Converting Colors

Hex(0072A8)

Have a look what the booklet for
Hex(0072A8) contains.

Hex(0072A8)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0072A8)

Conversions

Conversions Part 1

Format	Color
Hex	0072A8
RGB	0, 114, 168
RGB Percent	0%, 45%, 66%
CMY	1.0000, 0.5529, 0.3412
CMYK	1.00, 0.32, 0.00, 0.34
HSL	199°, 100%, 33%
HSV	199°, 100%, 66%
XYZ	13.0852, 14.8618, 39.2247
YIQ	86.0700, -85.2780, -7.3740

Conversions

Conversions Part 2

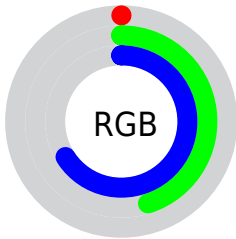
Format	Color
RYB	0, 68, 168
Decimal	29352
CIELab	45.44, -6.67, -36.37
CIELCh	45, 36.976, 259.609
Yxy	14.8618, 0.1948, 0.2213
Android (android.graphics.Color)	4278219432 (0xFF0072A8)
YUV	86.0700, 40.3915, -75.4834
Hunter-Lab	38.5510, -6.8767, -33.3405

Details

The Hex color **0072A8** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A83600**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **59A6DF**, and **004274** is the 20% darker color. If you saturate the color by 10%, you get **0072A8**, and if you desaturate by 10%, it is **1177A8**.

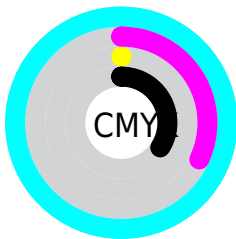
Distribution



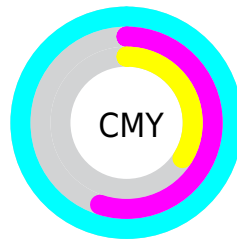
- Red (0%)
- Green (45%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (55%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0072A8 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 0072A8 by changing the saturation by 10% instead.

0072A8

0072A8

FFFFFF

005A8D

59A6DF

004274

77C1FC

002D5B

95DDFF

001943

B2F9FF

00032C

D0FFFF

000117

EEFFFF

000000

0072A8

1177A8

 227DA8

 3282A8

 4388A8

 548DA8

 6592A8

 7698A8

 869DA8

 97A3A8

Harmonies

Analogous

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



00789A



0072A8



5C68A6

Triad

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



0072A8



A65259



467742

Complementary

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



0072A8



A83600

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.



6A702F



0072A8



9C5B3E

Square

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



0072A8



9F5378



87662D



007B5F

Rectangle

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



0072A8



7B609B



87662D



53753A

Sweetspot

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



0072A8



9AC6DB



00A835



46616E



EDEDED



6E6E6E

Same Dimension

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



0072A8



0095DB



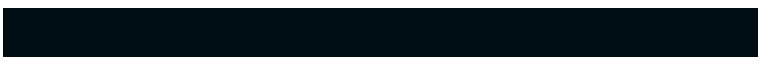
001FA8



4C5154



006494



000E14

Inverse Universe

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



A80072



DB0095



A88900



544C51



940064



14000E

Previews

White Background



This preview shows how the Hex color 0072A8 looks on a white background.

Color Contrast Check

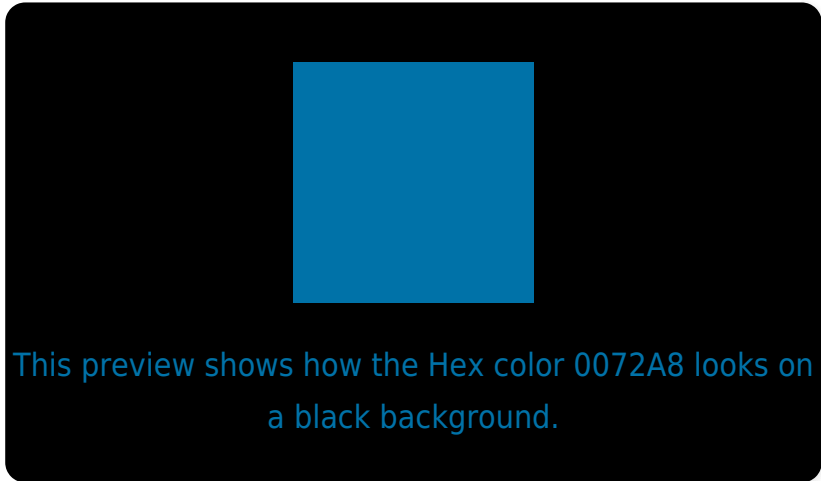
Large Text (above 18pt) WCAG AA ✓ Pass

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

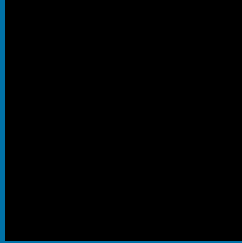
Any Text WCAG AA × Fail

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 0072A8 Background



This preview shows how black text looks on a background with the Hex color 0072A8.

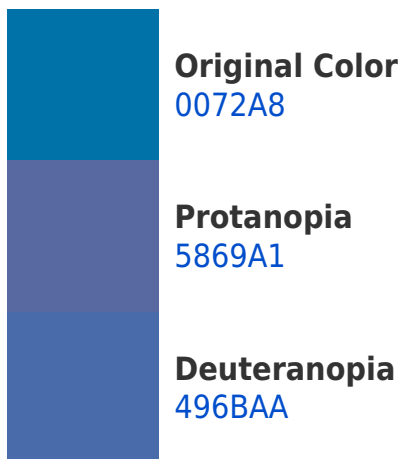


This preview shows how white text looks on a background with the Hex color 0072A8.

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
0072A8

Protanomaly
386CA4

Deuteranomaly
2E6EA9

Tritanomaly
00758F

Monochromacy



Original Color
0072A8

Achromatopsia
565656

Achromatomaly
376074

CSS Examples

Text

The CSS property to change the color of the text to Hex 0072A8 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 #0072A8 looks like.

```
.text, #text, p{  
    color:#0072A8  
}
```

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 #0072A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0072A8
}
```

Border

The CSS property to change the border of an element to Hex 0072A8 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
#0072A8 }
```

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

```
.border{ border-color:#0072A8 }
```

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

Here you see how a box with a 4 pixel #0072A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0072A8; -webkit-box-shadow:4px 4px  
4px 4px #0072A8; box-shadow:4px 4px 4px  
4px #0072A8 }
```

Background

The CSS property to change the background color of an element to Hex 0072A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0072A8 }
```

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

```
.background{ background-color:#0072A8 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor