

Converting Colors

Hex(0078A9)

Have a look what the booklet for
Hex(0078A9) contains.

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Color

Hex(0078A9)

Conversions

Conversions Part 1

Format	Color
Hex	0078A9
RGB	0, 120, 169
RGB Percent	0%, 47%, 66%
CMY	1.0000, 0.5294, 0.3373
CMYK	1.00, 0.29, 0.00, 0.34
HSL	197°, 100%, 33%
HSV	197°, 100%, 66%
XYZ	13.8779, 16.2975, 39.9504
YIQ	89.7060, -87.2490, -10.2010

Conversions

Conversions Part 2

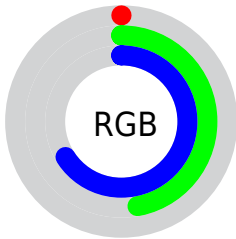
Format	Color
RYB	0, 70, 169
Decimal	30889
CIELab	47.36, -9.83, -33.93
CIELCh	47, 35.329, 253.852
Yxy	16.2975, 0.1979, 0.2324
Android (android.graphics.Color)	4278220969 (0xFF0078A9)
YUV	89.7060, 39.0919, -78.6722
Hunter-Lab	40.3702, -9.2856, -30.4144

Details

The Hex color **0078A9** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A93100**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **59ACE0**, and **004875** is the 20% darker color. If you saturate the color by 10%, you get **0078A9**, and if you desaturate by 10%, it is **117DA9**.

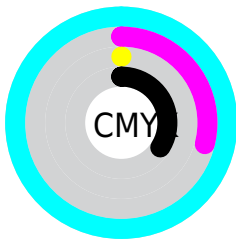
Distribution



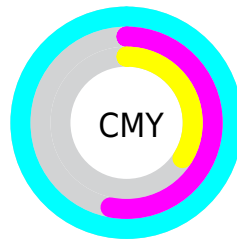
- Red (0%)
- Green (47%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0078A9 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 0078A9 by changing the saturation by 10% instead.

0078A9

0078A9

FFFFFF

005F8E

59ACE0

004875

78C7FD

00315C

95E3FF

001D44

B3FFFF

00032D

D1FFFF

000118

FFFFFF

000000

0078A9

117DA9

■ 2282A9

■ 3387A9

■ 448CA9

■ 5490A9

■ 6595A9

■ 769AA9

■ 879FA9

■ 98A4A9

Harmonies

Analogous

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



007E99



0078A9



596FAA

Triad

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



0078A9



A95864



547A44

Complementary

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



0078A9



A93100

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.



757335



0078A9



A35E48

Square

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



0078A9



9F5A82



906937



277F5F

Rectangle

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



0078A9



7867A2



906937



60783D

Sweetspot

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



0078A9



9AC8DB



00A930



46626E



EDEDED



6E6E6E

Same Dimension

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



0078A9



009CDB



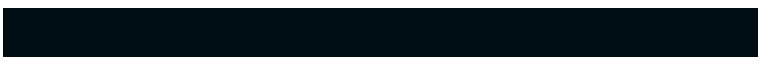
0025A9



4C5254



006994



000E14

Inverse Universe

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



A90078



DB009C



A98400



544C52



940069



14000E

Previews

White Background



This preview shows how the Hex color 0078A9 looks on a white background.

Color Contrast Check

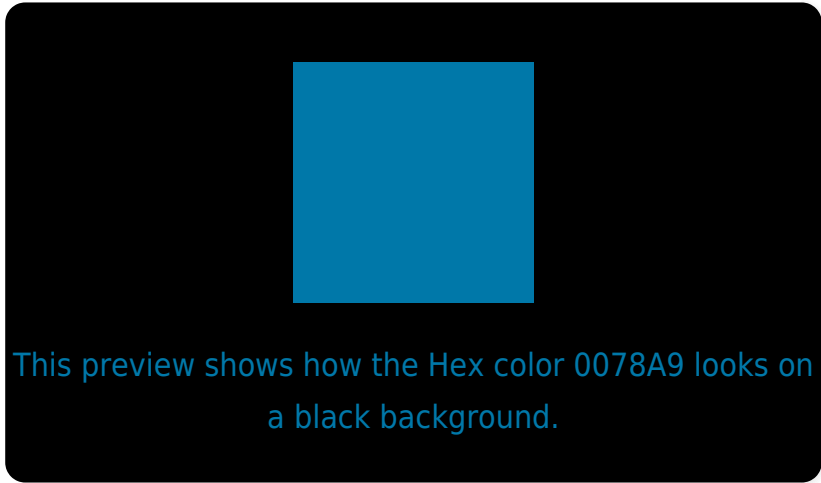
Large Text (above 18pt) WCAG AA ✓ Pass

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

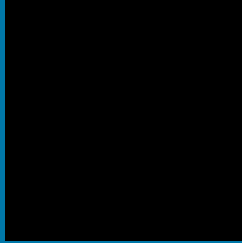
Any Text WCAG AA × Fail

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 0078A9 Background



This preview shows how black text looks on a background with the Hex color 0078A9.

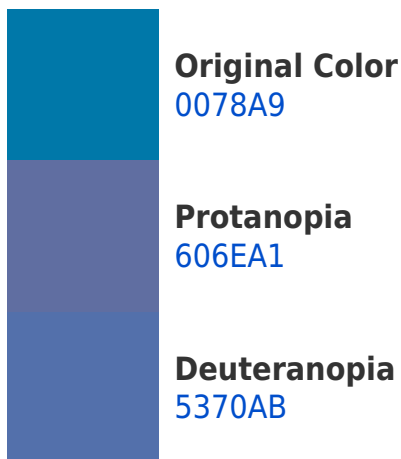


This preview shows how white text looks on a background with the Hex color 0078A9.

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





Tritanopia
007D86

Trichromacy



Original Color
0078A9

Protanomaly
3D72A4

Deuteranomaly
3573AA

Tritanomaly
007B93

Monochromacy



Original Color
0078A9

Achromatopsia
5A5A5A

Achromatomaly
396577

CSS Examples

Text

The CSS property to change the color of the text to Hex 0078A9 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 #0078A9 looks like.

```
.text, #text, p{  
    color:#0078A9  
}
```

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 #0078A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0078A9
}
```

Border

The CSS property to change the border of an element to Hex 0078A9 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
#0078A9 }
```

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

```
.border{ border-color:#0078A9 }
```

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

Here you see how a box with a 4 pixel #0078A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0078A9; -webkit-box-shadow:4px 4px  
4px 4px #0078A9; box-shadow:4px 4px 4px  
4px #0078A9 }
```

Background

The CSS property to change the background color of an element to Hex 0078A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0078A9 }
```

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

```
.background{ background-color:#0078A9 }
```

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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