

# Converting Colors

Hex(0079AA)

Have a look what the booklet for  
Hex(0079AA) contains.

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# Color

**Hex(0079AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0079AA
RGB	0, 121, 170
RGB Percent	0%, 47%, 67%
CMY	1.0000, 0.5255, 0.3333
CMYK	1.00, 0.29, 0.00, 0.33
HSL	197°, 100%, 33%
HSV	197°, 100%, 67%
XYZ	14.0931, 16.5770, 40.4871
YIQ	90.4070, -87.8450, -10.4130

# Conversions

## Conversions Part 2

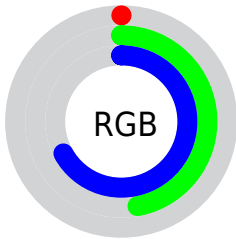
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 71, 170
Decimal	31146
CIELab	47.72, -10.02, -33.95
CIELCh	48, 35.401, 253.551
Yxy	16.5770, 0.1981, 0.2330
Android (android.graphics.Color)	4278221226 (0xFF0079AA)
YUV	90.4070, 39.2393, -79.2869
Hunter-Lab	40.7149, -9.4650, -30.4579

# Details

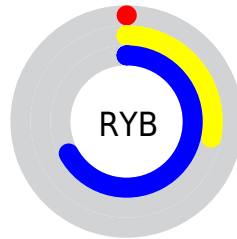
The Hex color **0079AA** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AA3100**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5AADE2**, and **004975** is the 20% darker color. If you saturate the color by 10%, you get **0079AA**, and if you desaturate by 10%, it is **117EAA**.

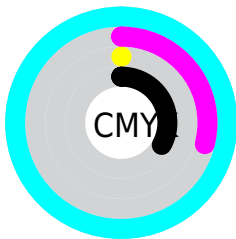
# Distribution



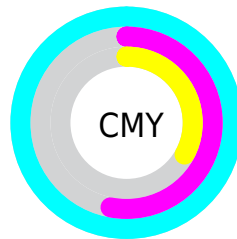
- Red (0%)
- Green (47%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (53%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0079AA 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 0079AA by changing the saturation by 10% instead.



0079AA

0079AA

FFFFFF

00608F

5AADE2

004975

78C9FE

00325D

96E5FF

001E45

B3FFFF

00042E

D1FFFF

000119

EFFFFF

000000

0079AA

117EAA

 2283AA

 3388AA

 448DAA

 5592AA

 6696AA

 779BAA

 88A0AA

 99A5AA

# Harmonies

## Analogous

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



007F9A



0079AA



5970AB

# Triad

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



0079AA



AA5965



557B45

# Complementary

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



0079AA



AA3100

# 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.



767435



0079AA



A45F49

# Square

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



0079AA



A05B83



916A38



287F5F

# Rectangle

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



0079AA



7868A3



916A38



61793E



# Sweetspot

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



0079AA



9BCBDE



00AA30



486570



F0F0F0



707070



# Same Dimension

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



0079AA



009EDE



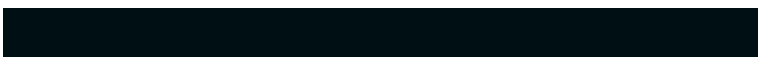
0025AA



4C5254



006994



000F14



# Inverse Universe

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



AA0079



DE009E



AA8500



544C52



940069



14000F



# Previews

## White Background



This preview shows how the Hex color 0079AA looks on a white background.

## Color Contrast Check

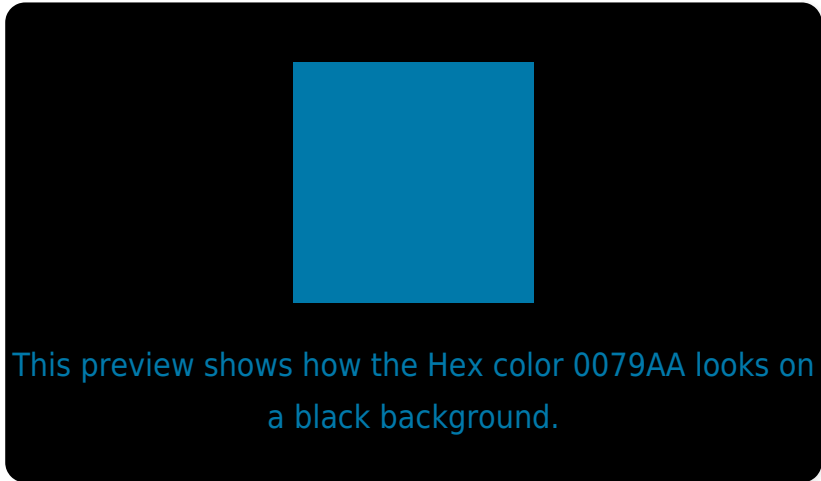
Large Text (above 18pt) WCAG AA ✓ Pass

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

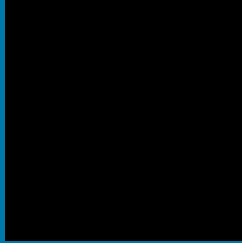
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0079AA Background



This preview shows how black text looks on a background with the Hex color 0079AA.

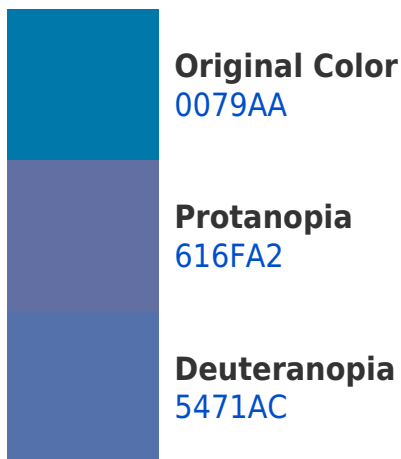


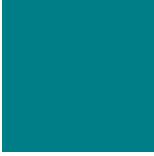
This preview shows how white text looks on a background with the Hex color 0079AA.

# 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**  
007E87

# Trichromacy



**Original Color**  
0079AA

**Protanomaly**  
3E73A5

**Deuteranomaly**  
3574AB

**Tritanomaly**  
007C94

# Monochromacy



**Original Color**  
0079AA

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
396577

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0079AA 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 #0079AA looks like.

```
.text, #text, p{  
    color:#0079AA  
}
```

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 #0079AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0079AA
}
```

## Border

The CSS property to change the border of an element to Hex 0079AA 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
#0079AA }
```

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

```
.border{ border-color:#0079AA }
```

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

Here you see how a box with a 4 pixel #0079AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0079AA; -webkit-box-shadow:4px 4px  
4px 4px #0079AA; box-shadow:4px 4px 4px  
4px #0079AA }
```

# Background

The CSS property to change the background color of an element to Hex 0079AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0079AA }
```

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

```
.background{ background-color:#0079AA }
```

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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