

# Converting Colors

Hex(0078C8)

Have a look what the booklet for  
Hex(0078C8) contains.

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# Color

Hex(0078C8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0078C8
RGB	0, 120, 200
RGB Percent	0%, 47%, 78%
CMY	1.0000, 0.5294, 0.2157
CMYK	1.00, 0.40, 0.00, 0.22
HSL	204°, 100%, 39%
HSV	204°, 100%, 78%
XYZ	17.1418, 17.6031, 57.1378
YIQ	93.2400, -97.2000, -0.5600

# Conversions

## Conversions Part 2

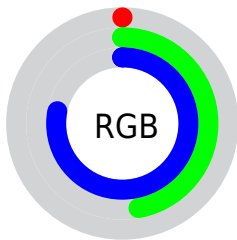
<b>Format</b>	<b>Color</b>
<code>RYB</code>	<code>0, 75, 200</code>
Decimal	<code>30920</code>
CIELab	<code>49.01, 2.27, -49.23</code>
CIELCh	<code>49, 49.283, 272.644</code>
Yxy	<code>17.6031, 0.1866, 0.1916</code>
Android ( <code>android.graphics.Color</code> )	<code>4278221000 (0xFF0078C8)</code>
YUV	<code>93.2400, 52.6327, -81.7715</code>
Hunter-Lab	<code>41.9560, -0.4940, -51.3749</code>

# Details

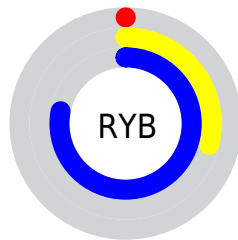
The Hex color **0078C8** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **C85000**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **61ACFF**, and **004891** is the 20% darker color. If you saturate the color by 10%, you get **0078C8**, and if you desaturate by 10%, it is **1480C8**.

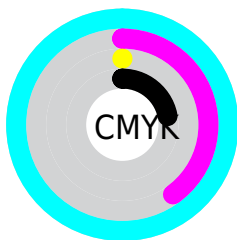
# Distribution



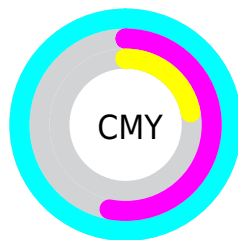
- Red (0%)
- Green (47%)
- Blue (78%)



- Red (0%)
- Yellow (29%)
- Blue (78%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (53%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0078C8 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 0078C8 by changing the saturation by 10% instead.



 0078C8

 0078C8

FFFFFF

 0060AC

 61ACFF

 004891

 81C7FF

 003377

 A0E3FF

 001F5E

 BEFFFF

 000846

 DDFFFF

 00042F

 FBFFFF

 000119

 000000

 0078C8

 1480C8

 2888C8

 3C90C8

 5098C8

 64A0C8

 78A8C8

 8CB0C8

 A0B8C8

 B4C0C8

# Harmonies

## Analogous

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



0083BE



0078C8



7A68BB

# Triad

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



0078C8



BD544A



13864C

# Complementary

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



0078C8



C85000

# 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.



5C7F28



0078C8



A86429

# Square

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



0078C8



BF4D72



877418



008877

# Rectangle

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



0078C8



9D5CA8



877418



36843F

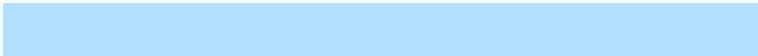


# Sweetspot

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



0078C8



B3E0FF



00C850



526D80



000000



808080

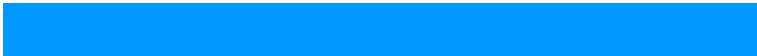


# Same Dimension

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



0078C8



0099FF



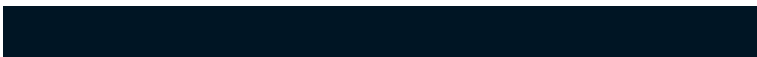
0014C8



5A5F63



0062A3



001524



# Inverse Universe

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



C80078



FF0099



C8B400



635A5F



A30062



240015



# Previews

## White Background



This preview shows how the Hex color 0078C8 looks on a white background.

## Color Contrast Check

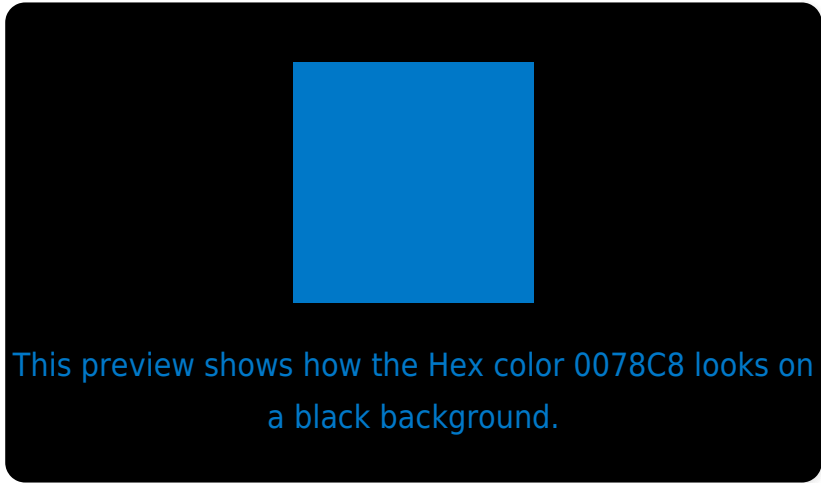
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

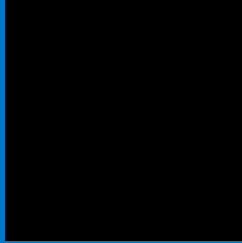
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 0078C8 Background



This preview shows how black text looks on a background with the Hex color 0078C8.

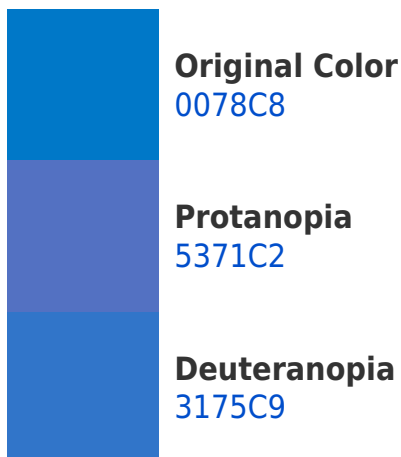


This preview shows how white text looks on a background with the Hex color 0078C8.

# 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**  
00818A

# Trichromacy



**Original Color**  
0078C8

**Protanomaly**  
3574C4

**Deuteranomaly**  
1F76C9

**Tritanomaly**  
007EA1

# Monochromacy



**Original Color**  
0078C8

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
3B6784

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0078C8 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 #0078C8 looks like.

```
.text, #text, p{  
    color:#0078C8  
}
```

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 #0078C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0078C8
}
```

## Border

The CSS property to change the border of an element to Hex 0078C8 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
#0078C8 }
```

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

```
.border{ border-color:#0078C8 }
```

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

Here you see how a box with a 4 pixel #0078C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0078C8; -webkit-box-shadow:4px 4px  
4px 4px #0078C8; box-shadow:4px 4px 4px  
4px #0078C8 }
```

# Background

The CSS property to change the background color of an element to Hex 0078C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0078C8 }
```

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

```
.background{ background-color:#0078C8 }
```

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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