

Converting Colors

Hex(0078B3)

Have a look what the booklet for
Hex(0078B3) contains.

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Color

Hex(0078B3)

Conversions

Conversions Part 1

Format	Color
Hex	0078B3
RGB	0, 120, 179
RGB Percent	0%, 47%, 70%
CMY	1.0000, 0.5294, 0.2980
CMYK	1.00, 0.33, 0.00, 0.30
HSL	200°, 100%, 35%
HSV	200°, 100%, 70%
XYZ	14.8532, 16.6876, 45.0860
YIQ	90.8460, -90.4590, -7.0910

Conversions

Conversions Part 2

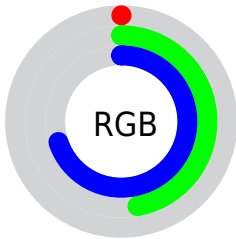
Format	Color
RYB	0, 72, 179
Decimal	30899
CIELab	47.86, -5.96, -38.96
CIELCh	48, 39.413, 261.304
Yxy	16.6876, 0.1938, 0.2178
Android (android.graphics.Color)	4278220979 (0xFF0078B3)
YUV	90.8460, 43.4599, -79.6719
Hunter-Lab	40.8505, -6.5861, -36.8421

Details

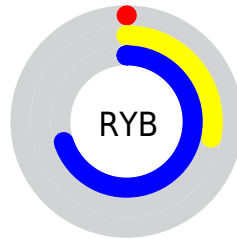
The Hex color **0078B3** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B33B00**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5CACEB**, and **00487E** is the 20% darker color. If you saturate the color by 10%, you get **0078B3**, and if you desaturate by 10%, it is **127EB3**.

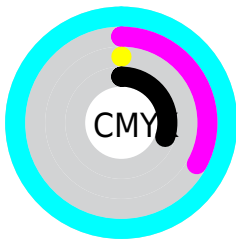
Distribution



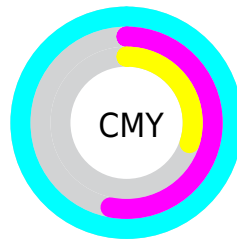
- Red (0%)
- Green (47%)
- Blue (70%)



- Red (0%)
- Yellow (28%)
- Blue (70%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0078B3 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 0078B3 by changing the saturation by 10% instead.

 0078B3

 0078B3

FFFFFF

 005F98

 5CACEB

 00487E

 7BC7FF

 003265

 99E3FF

 001D4C

 B6FFFF

 000535

 D4FFFF

 00021F

 F3FFFF

 000002

 000000

 0078B3

■ 127EB3

■ 2484B3

■ 368AB3

■ 4890B3

■ 5A96B3

■ 6B9BB3

■ 7DA1B3

■ 8FA7B3

■ A1ADB3

Harmonies

Analogous

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



007FA5



0078B3



646DB0

Triad

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



0078B3



B0575B



467E46

Complementary

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



0078B3



B33B00

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.



6E7731



0078B3



A5603F

Square

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



0078B3



AA567D



8D6C2E



008266

Rectangle

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



0078B3



8464A4



8D6C2E



547C3E

Sweetspot

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



0078B3



A2D1E8



00B339



4B6775



F5F5F5



757575

Same Dimension

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



0078B3



009CE8



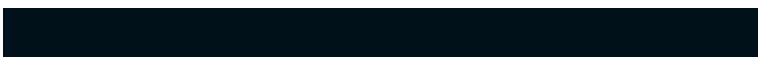
0021B3



505659



006799



00111A

Inverse Universe

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



B30078



E8009C



B39200



595056



990067



1A0011

Previews

White Background



This preview shows how the Hex color 0078B3 looks on a white background.

Color Contrast Check

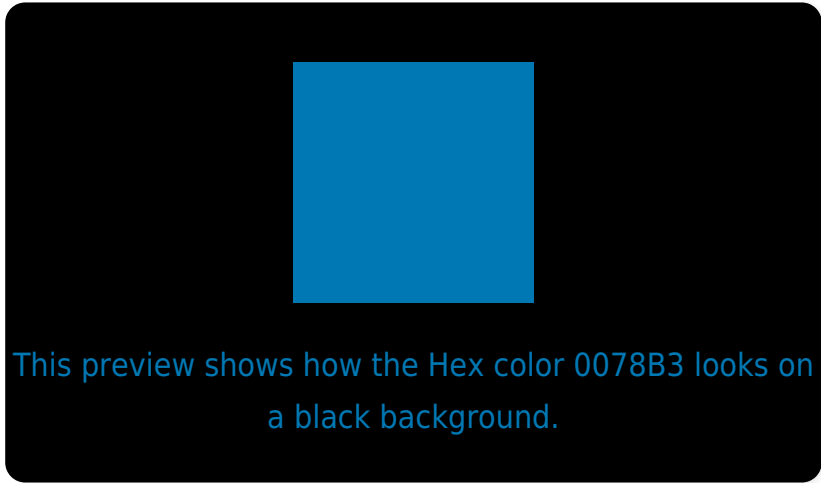
Large Text (above 18pt) WCAG AA ✓ Pass

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

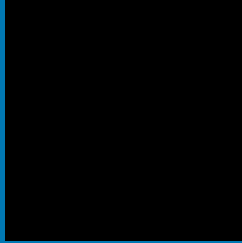
Any Text WCAG AA × Fail

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 0078B3 Background



This preview shows how black text looks on a background with the Hex color 0078B3.

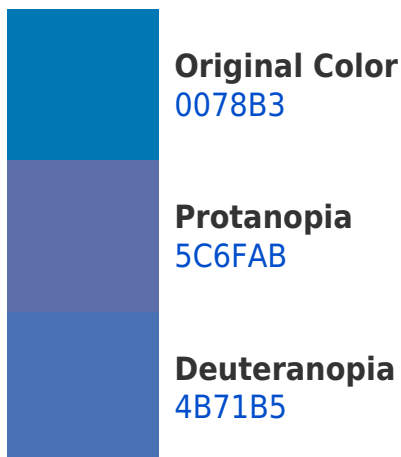


This preview shows how white text looks on a background with the Hex color 0078B3.

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
0078B3

Protanomaly
3B72AE

Deuteranomaly
3074B4

Tritanomaly
007C97

Monochromacy



Original Color
0078B3

Achromatopsia
5B5B5B

Achromatomaly
3A667B

CSS Examples

Text

The CSS property to change the color of the text to Hex 0078B3 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 #0078B3 looks like.

```
.text, #text, p{  
    color:#0078B3  
}
```

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 #0078B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0078B3
}
```

Border

The CSS property to change the border of an element to Hex 0078B3 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
#0078B3 }
```

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

```
.border{ border-color:#0078B3 }
```

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

Here you see how a box with a 4 pixel #0078B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0078B3; -webkit-box-shadow:4px 4px  
4px 4px #0078B3; box-shadow:4px 4px 4px  
4px #0078B3 }
```

Background

The CSS property to change the background color of an element to Hex 0078B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0078B3 }
```

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

```
.background{ background-color:#0078B3 }
```

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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