

Converting Colors

Hex(0078DF)

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

Hex(0078DF)	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(0078DF)

Conversions

Conversions Part 1

Format	Color
Hex	0078DF
RGB	0, 120, 223
RGB Percent	0%, 47%, 87%
CMY	1.0000, 0.5294, 0.1255
CMYK	1.00, 0.46, 0.00, 0.13
HSL	208°, 100%, 44%
HSV	208°, 100%, 87%
XYZ	20.0358, 18.7607, 72.3772
YIQ	95.8620, -104.5830, 6.5930

Conversions

Conversions Part 2

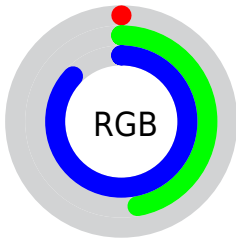
Format	Color
RYB	0, 78, 223
Decimal	30943
CIELab	50.41, 11.34, -60.05
CIELCh	50, 61.114, 280.693
Yxy	18.7607, 0.1802, 0.1688
Android (android.graphics.Color)	4278221023 (0xFF0078DF)
YUV	95.8620, 62.6790, -84.0710
Hunter-Lab	43.3136, 6.7708, -68.7544

Details

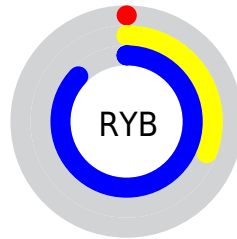
The Hex color **0078DF** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **DF6700**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **68ACFF**, and **0049A7** is the 20% darker color. If you saturate the color by 10%, you get **0078DF**, and if you desaturate by 10%, it is **1682DF**.

Distribution



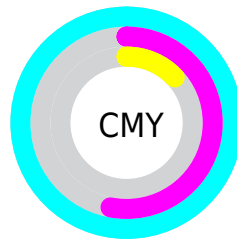
- Red (0%)
- Green (47%)
- Blue (87%)



- Red (0%)
- Yellow (31%)
- Blue (87%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

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

 0078DF

 0078DF

FFFFFF

 0060C3

 68ACFF

 0049A7

 89C7FF

 00338C

 A8E3FF

 002072

 C7FFFF

 000559

 E6FFFF

 000740

 000329

 000113

 000000

 0078DF

 1682DF

 2D8DDF

 4397DF

 59A1DF

 70ABDF

 86B6DF

 9CC0DF

 B2CADF

 C9D5DF

Harmonies

Analogous

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



0087DA



0078DF



9161C8

Triad

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



0078DF



CA5136



008E53

Complementary

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



0078DF



DF6700

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.



45871F



0078DF



AB6901

Square

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



0078DF



D44168



7F7B00



00908A

Rectangle

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



0078DF



B750AC



7F7B00



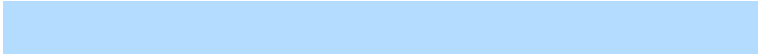
008C42

Sweetspot

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



0078DF



B3DCFF



00DF64



526A80



000000



808080

Same Dimension

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



0078DF



0089FF



000BDF



656B70



005FB0



001A30

Inverse Universe

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



DF0078



FF0089



DFD400



70656B



B0005F



30001A

Previews

White Background



This preview shows how the Hex color 0078DF looks on a white 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

Black Background



This preview shows how the Hex color 0078DF looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

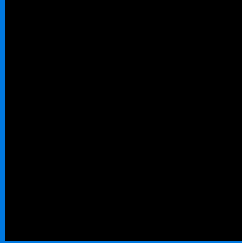
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

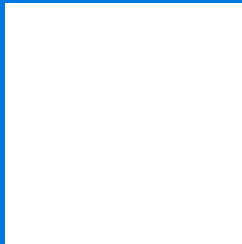
Any Text WCAG AAA × Fail

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

Hex 0078DF Background



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

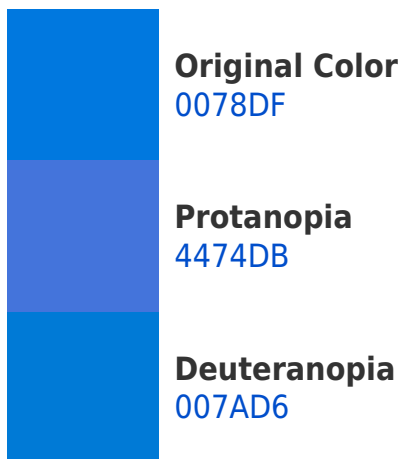


This preview shows how white text looks on a background with the Hex color 0078DF.

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
00858E

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #0078DF colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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