

Converting Colors

Hex(0078EC)

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

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Color

Hex(0078EC)

Conversions

Conversions Part 1

Format	Color
Hex	0078EC
RGB	0, 120, 236
RGB Percent	0%, 47%, 93%
CMY	1.0000, 0.5294, 0.0745
CMYK	1.00, 0.49, 0.00, 0.07
HSL	209°, 100%, 46%
HSV	209°, 100%, 93%
XYZ	21.8568, 19.4891, 81.9667
YIQ	97.3440, -108.7560, 10.6360

Conversions

Conversions Part 2

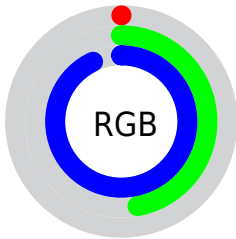
Format	Color
RYB	0, 80, 236
Decimal	30956
CIELab	51.25, 16.44, -65.98
CIELCh	51, 67.998, 283.989
Yxy	19.4891, 0.1772, 0.1580
Android (android.graphics.Color)	4278221036 (0xFF0078EC)
YUV	97.3440, 68.3574, -85.3707
Hunter-Lab	44.1464, 11.1187, -79.1812

Details

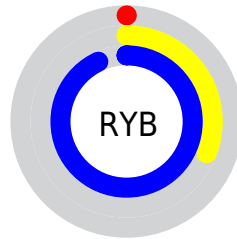
The Hex color **0078EC** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **EC7400**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **6BACFF**, and **0049B3** is the 20% darker color. If you saturate the color by 10%, you get **0078EC**, and if you desaturate by 10%, it is **1884EC**.

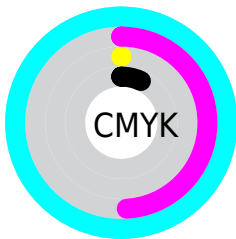
Distribution



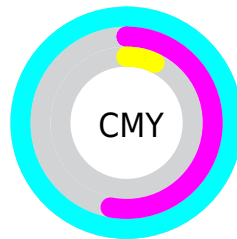
- Red (0%)
- Green (47%)
- Blue (93%)



- Red (0%)
- Yellow (31%)
- Blue (93%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients

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

 0078EC

 0078EC

FFFFFF

 0060CF

 6BACFF

 0049B3

 8DC7FF

 003498

 ADE2FF

 00207D

 CCFFFF

 000864

 ECFFFF

 00094B

 000433

 00021D

 000000

 0078EC

 1884EC

 2F8FEC

 479BEC

 5EA6EC

 76B2EC

 8EBEEC

 A5C9EC

 BDD5EC

 D4E0EC

Harmonies

Analogous

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



008AEA



0078EC



9E5DCF

Triad

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



0078EC



D1502A



009258

Complementary

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



0078EC



EC7400

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.



328C19



0078EC



AD6C00

Square

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



0078EC



E03862



7A8000



009495

Rectangle

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



0078EC



C548AE



7A8000



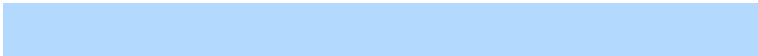
009044

Sweetspot

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



0078EC



B3D9FF



00EC72



526980



000000



808080

Same Dimension

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



0078EC



0082FF



0004EC



6A7075



005CB5



001B36

Inverse Universe

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



EC0078



FF0082



ECE800



756A70



B5005C



36001B

Previews

White Background



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

Color Contrast Check

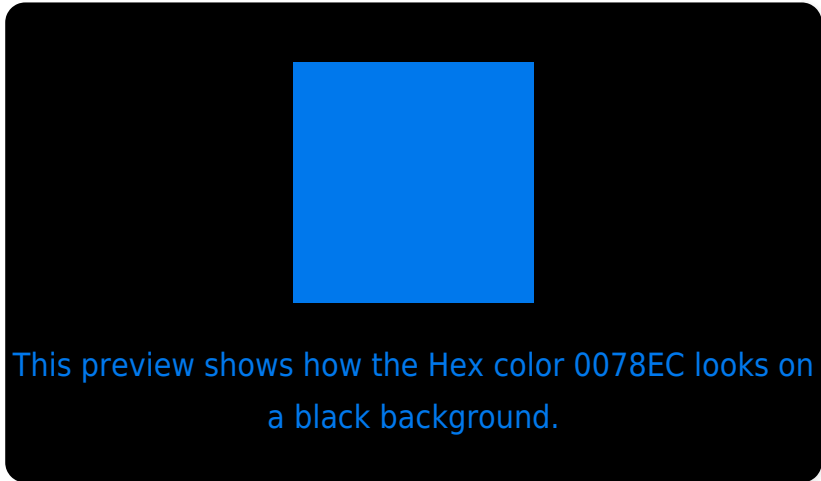
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

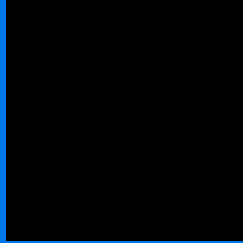
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

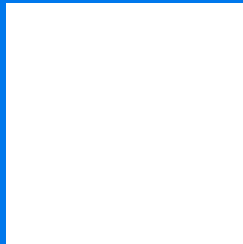
Any Text WCAG AAA × Fail

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

Hex 0078EC Background



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



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

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
008790

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #0078EC colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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