

# Converting Colors

Hex(007DF0)

Have a look what the booklet for  
Hex(007DF0) contains.

<b>Hex(007DF0)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(007DF0)

# Conversions

## Conversions Part 1

Format	Color
Hex	007DF0
RGB	0, 125, 240
RGB Percent	0%, 49%, 94%
CMY	1.0000, 0.5098, 0.0588
CMYK	1.00, 0.48, 0.00, 0.06
HSL	209°, 100%, 47%
HSV	209°, 100%, 94%
XYZ	23.0618, 20.9585, 85.2680
YIQ	100.7350, -111.4150, 9.2650

# Conversions

## Conversions Part 2

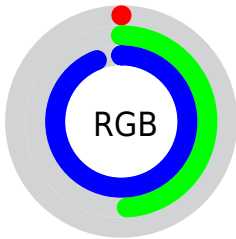
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 82, 240
Decimal	32240
CIELab	52.90, 14.86, -65.55
CIELCh	53, 67.211, 282.770
Yxy	20.9585, 0.1784, 0.1621
Android (android.graphics.Color)	4278222320 (0xFF007DF0)
YUV	100.7350, 68.6576, -88.3446
Hunter-Lab	45.7805, 9.8031, -78.3837

# Details

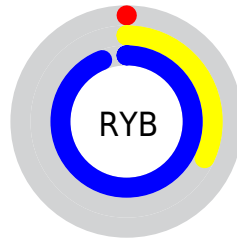
The Hex color **007DF0** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **F07300**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **6CB1FF**, and **004DB7** is the 20% darker color. If you saturate the color by 10%, you get **007DF0**, and if you desaturate by 10%, it is **1888F0**.

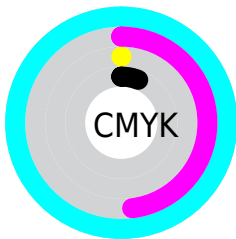
# Distribution



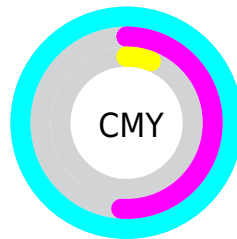
- Red (0%)
- Green (49%)
- Blue (94%)



- Red (0%)
- Yellow (32%)
- Blue (94%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (51%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007DF0 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 007DF0 by changing the saturation by 10% instead.



 007DF0

 007DF0

FFFFFF

 0065D3

 6CB1FF

 004DB7

 8ECCFF

 00389C

 AEE8FF

 002481

 CEFFFF

 000F67

 EDFFFF

 000A4E

 000536

 000220

 000004

 007DF0

 1888F0

 3094F0

 489FF0

 60ABF0

 78B6F0

 90C2F0

 A8CDF0

 C0D9F0

 D8E4F0

# Harmonies

## Analogous

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



008EED



007DF0



9F63D4

# Triad

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



007DF0



D65431



00965A

# Complementary

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



007DF0



F03000

# 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.



3D901D



007DF0



B36F00

# Square

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



007DF0



E43E68



818300



009896

# Rectangle

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



007DF0



C74FB4



818300



009546

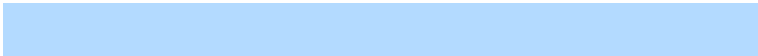


# Sweetspot

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



007DF0



B3DAFF



00F070



526A80



000000



808080



# Same Dimension

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



007DF0



0085FF



0008F0



6C7278



0060B8



001D38



# Inverse Universe

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



F0007D



FF0085



F0E800



786C72



B80060



38001D



# Previews

## White Background



This preview shows how the Hex color 007DF0 looks on a white background.

## Color Contrast Check

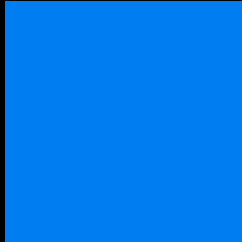
Large Text (above 18pt) WCAG AA ✓ Pass

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 007DF0 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

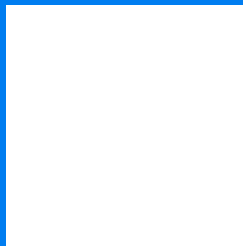
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 007DF0 Background



This preview shows how black text looks on a background with the Hex color 007DF0.

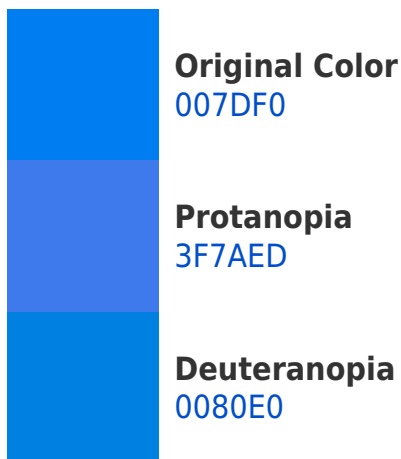


This preview shows how white text looks on a background with the Hex color 007DF0.

# 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**  
008C95

# Trichromacy



**Original Color**  
007DF0

**Protanomaly**  
287BEE

**Deuteranomaly**  
007FE6

**Tritanomaly**  
0087B6

# Monochromacy



**Original Color**  
007DF0

**Achromatopsia**  
656565

**Achromatomaly**  
406E98

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007DF0 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 #007DF0 looks like.

```
.text, #text, p{  
    color:#007DF0  
}
```

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 #007DF0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007DF0
}
```

## Border

The CSS property to change the border of an element to Hex 007DF0 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
#007DF0 }
```

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

```
.border{ border-color:#007DF0 }
```

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

Here you see how a box with a 4 pixel #007DF0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007DF0; -webkit-box-shadow:4px 4px  
4px 4px #007DF0; box-shadow:4px 4px 4px  
4px #007DF0 }
```

# Background

The CSS property to change the background color of an element to Hex 007DF0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007DF0 }
```

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

```
.background{ background-color:#007DF0 }
```

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