

# Converting Colors

Hex(007DFE)

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

<b>Hex(007DFE)</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(007DFE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007DFE
RGB	0, 125, 254
RGB Percent	0%, 49%, 100%
CMY	1.0000, 0.5098, 0.0039
CMYK	1.00, 0.51, 0.00, 0.00
HSL	210°, 100%, 50%
HSV	210°, 100%, 100%
XYZ	25.2230, 21.8230, 96.6488
YIQ	102.3310, -115.9090, 13.6190

# Conversions

## Conversions Part 2

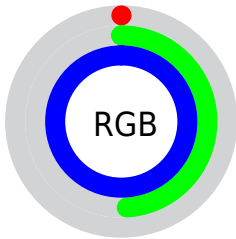
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 254
Decimal	32254
CIELab	53.84, 20.28, -71.80
CIELCh	54, 74.607, 285.773
Yxy	21.8230, 0.1755, 0.1519
Android (android.graphics.Color)	4278222334 (0xFF007DFE)
YUV	102.3310, 74.7728, -89.7443
Hunter-Lab	46.7151, 14.6266, -89.9645

# Details

The Hex color **007DFE** 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 **FE8100**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **70B1FF**, and **004EC4** is the 20% darker color. If you saturate the color by 10%, you get **007DFE**, and if you desaturate by 10%, it is **198AFE**.

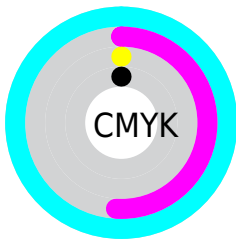
# Distribution



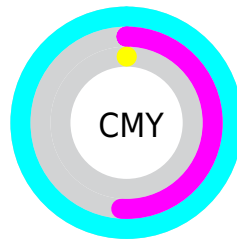
- Red (0%)
- Green (49%)
- Blue (100%)



- Red (0%)
- Yellow (33%)
- Blue (100%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)

# Brightness & Saturation Gradients

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



 007DFE

 007DFE

FFFFFF

 0065E1

 70B1FF

 004EC4

 93CCFF

 0038A8

 B3E8FF

 00258D

 D3FFFF

 001273

 F3FFFF

 000D59

 000741

 00032A

 000114

 007DFE

 198AFE

 3397FE

 4CA4FE

 66B1FE

 7FBDFE

 98CAFE

 B2D7FE

 CBE4FE

 E5F1FE

# Harmonies

## Analogous

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



0091FE



007DFE



AC5DDC

# Triad

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



007DFE



DE5324



009B5F

# Complementary

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



007DFE



FE8100

# 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.



239516



007DFE



B57300

# Square

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



007DFE



F03362



7C8800



009DA2

# Rectangle

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



007DFE



D644B7



7C8800



009948

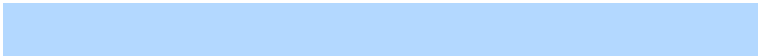


# Sweetspot

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



007DFE



B3D8FF



00FE7F



526880



000000



808080



# Same Dimension

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



007DFE



007DFF



0000FE



737980



005EBF



001F40



# Inverse Universe

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



FE007D



FF007D



FEFE00



807379



BF005E



40001F



# Previews

## White Background



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

## Color Contrast Check

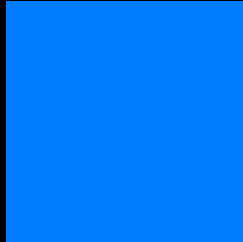
Large Text (above 18pt) WCAG AA ✓ Pass

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 007DFE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

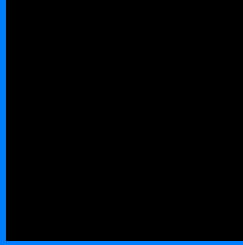
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

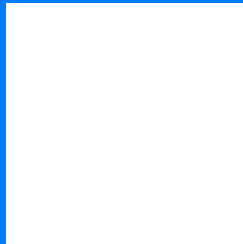
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 007DFE Background



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



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

# 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](#).

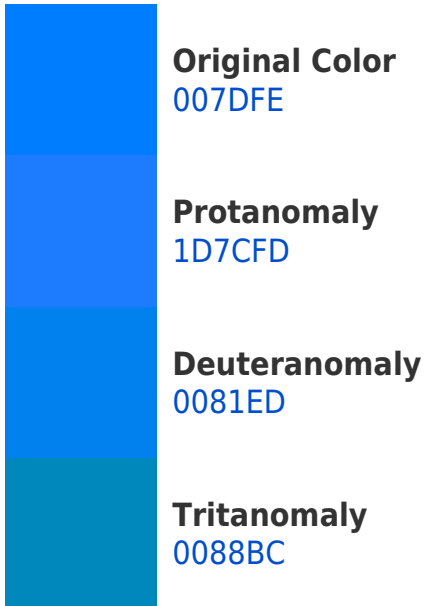
## Dichromacy





**Tritanopia**  
008E97

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #007DFE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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