

# Converting Colors

Hex(0B77DF)

Have a look what the booklet for  
Hex(0B77DF) contains.

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# Color

**Hex(0B77DF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B77DF
RGB	11, 119, 223
RGB Percent	4%, 47%, 87%
CMY	0.9569, 0.5333, 0.1255
CMYK	0.95, 0.47, 0.00, 0.13
HSL	209°, 91%, 46%
HSV	209°, 95%, 87%
XYZ	20.0541, 18.5925, 72.3438
YIQ	98.5640, -97.7520, 9.4480

# Conversions

## Conversions Part 2

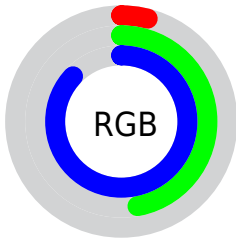
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 83, 223
Decimal	751583
CIE <sub>Lab</sub>	50.21, 12.29, -60.37
CIE <sub>LCh</sub>	50, 61.607, 281.505
Yxy	18.5925, 0.1807, 0.1675
Android (android.graphics.Color)	4278941663 (0xFF0B77DF)
YUV	98.5640, 61.3469, -76.7936
Hunter-Lab	43.1190, 7.5598, -69.2916

# Details

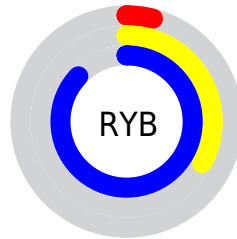
The Hex color **0B77DF** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **DF730B**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **6AABFF**, and **0048A7** is the 20% darker color. If you saturate the color by 10%, you get **0072DF**, and if you desaturate by 10%, it is **2182DF**.

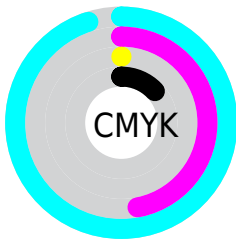
# Distribution



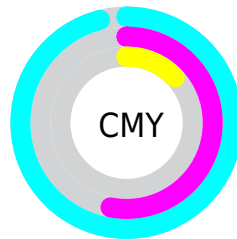
- Red (4%)
- Green (47%)
- Blue (87%)



- Red (4%)
- Yellow (33%)
- Blue (87%)



- Cyan (95%)
- Magenta (47%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (53%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B77DF 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 0B77DF by changing the saturation by 10% instead.



 0B77DF

 0B77DF

FFFFFF

 005FC3

 6AABFF

 0048A7

 8AC6FF

 00328C

 AAE1FF

 001F72

 C9FEFF

 000459

 E8FFFF

 000740

 000329

 000113

 000000

■ 0B77DF

■ 0B77DF

■ 0072DF

■ 2182DF

■ 388DDF

■ 4E98DF

■ 64A3DF

■ 7AAEDF

■ 91B9DF

■ A7C4DF

■ BDCFDf

■ D4D9DF

# Harmonies

## Analogous

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



0086DB



0B77DF



9360C7

# Triad

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



0B77DF



C95134



008D54

# Complementary

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



0B77DF



DF730B

# 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.



41871F



0B77DF



AA6900

# Square

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



0B77DF



D43F66



7D7B00



008F8B

# Rectangle

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



0B77DF



B84EAA



7D7B00



008C42

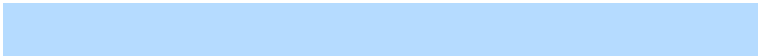


# Sweetspot

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



0B77DF



B5DBFF



0BDF71



536A80



000000



808080



# Same Dimension

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



0B77DF



0082FF



0B0FDF



656B70



005AB0



001930



# Inverse Universe

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



DF0B77



FF0082



DFDB0B



70656B



B0005A



300019



# Previews

## White Background



This preview shows how the Hex color 0B77DF 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

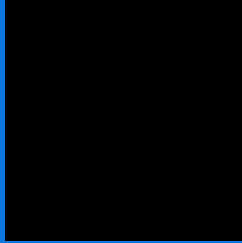
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

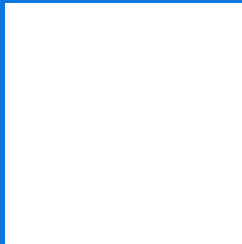
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0B77DF Background



This preview shows how black text looks on a background with the Hex color 0B77DF.

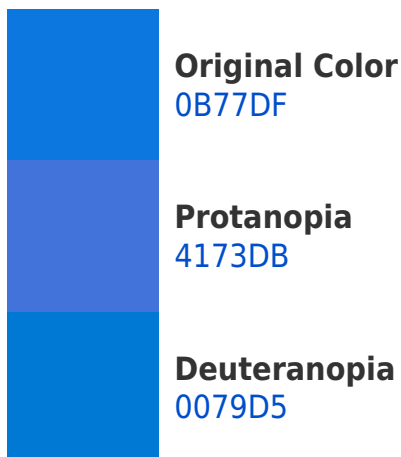


This preview shows how white text looks on a background with the Hex color 0B77DF.

# 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**  
00848D

# Trichromacy



**Original Color**  
0B77DF

**Protanomaly**  
2D74DC

**Deuteranomaly**  
0478D9

**Tritanomaly**  
047FAB

# Monochromacy



**Original Color**  
0B77DF

**Achromatopsia**  
636363

**Achromatomaly**  
436A90

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B77DF 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 #0B77DF looks like.

```
.text, #text, p{  
    color:#0B77DF  
}
```

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 #0B77DF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B77DF
}
```

## Border

The CSS property to change the border of an element to Hex 0B77DF is called "border". The border property can be set on classes, ids or directly on the HTML element.

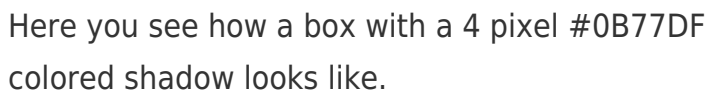
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0B77DF }
```

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

```
.border{ border-color:#0B77DF }
```

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



Here you see how a box with a 4 pixel #0B77DF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B77DF; -webkit-box-shadow:4px 4px  
4px 4px #0B77DF; box-shadow:4px 4px 4px  
4px #0B77DF }
```

# Background

The CSS property to change the background color of an element to Hex 0B77DF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B77DF }
```

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

```
.background{ background-color:#0B77DF }
```

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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