

# Converting Colors

Hex(0F77BB)

Have a look what the booklet for  
Hex(0F77BB) contains.

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# Color

**Hex(0F77BB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0F77BB
RGB	15, 119, 187
RGB Percent	6%, 47%, 73%
CMY	0.9412, 0.5333, 0.2667
CMYK	0.92, 0.36, 0.00, 0.27
HSL	204°, 85%, 40%
HSV	204°, 92%, 73%
XYZ	15.7635, 16.8831, 49.4416
YIQ	95.6560, -83.8120, -0.9000

# Conversions

## Conversions Part 2

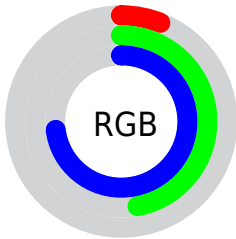
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 80, 187
Decimal	1013691
CIELab	48.11, -1.64, -43.19
CIELCh	48, 43.216, 267.830
Yxy	16.8831, 0.1920, 0.2057
Android (android.graphics.Color)	4279203771 (0xFF0F77BB)
YUV	95.6560, 45.0326, -70.7353
Hunter-Lab	41.0890, -3.4257, -42.5803

# Details

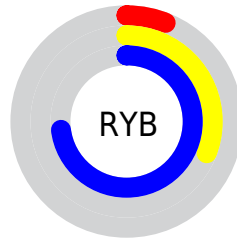
The Hex color **0F77BB** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **BB530F**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **61ABF4**, and **004785** is the 20% darker color. If you saturate the color by 10%, you get **0071BB**, and if you desaturate by 10%, it is **227EBB**.

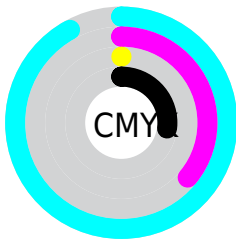
# Distribution



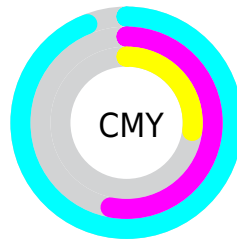
- Red (6%)
- Green (47%)
- Blue (73%)



- Red (6%)
- Yellow (31%)
- Blue (73%)



- Cyan (92%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (94%)
- Magenta (53%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0F77BB 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 0F77BB by changing the saturation by 10% instead.



0F77BB

0F77BB

FFFFFF

005FA0

61ABF4

004785

80C6FF

00316C

9EE2FF

001D53

BCFFFF

00063B

DAFFFF

000225

F8FFFF

00010D

000000

0F77BB

0F77BB

0071BB

227EBB

3486BB

478DBB

5A95BB

6C9CBB

7FA3BB

92ABBB

A5B2BB

B7BABB

# Harmonies

## Analogous

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



0080AF



0F77BB



6F6AB3

# Triad

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



0F77BB



B45552



34814A

# Complementary

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



0F77BB



BB530F

# 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.



657A2E



0F77BB



A56235

# Square

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



0F77BB



B35276



896F25



00846E

# Rectangle

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



0F77BB



9060A4



896F25



477F3F



# Sweetspot

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



0F77BB



AED7F2



0FBB51



516A7A



FAFAFA



7A7A7A



# Same Dimension

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



0F77BB



0092F2



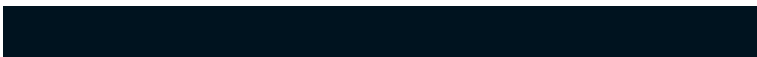
0F23BB



555B5E



00609E



00131F



# Inverse Universe

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



BB0F77



F20092



BBA70F



5E555B



9E0060



1F0013



# Previews

## White Background



This preview shows how the Hex color 0F77BB looks on a white 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

# Black Background



This preview shows how the Hex color 0F77BB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

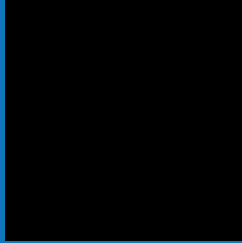
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0F77BB Background



This preview shows how black text looks on a background with the Hex color 0F77BB.



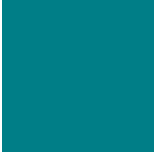
This preview shows how white text looks on a background with the Hex color 0F77BB.

# 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](#).

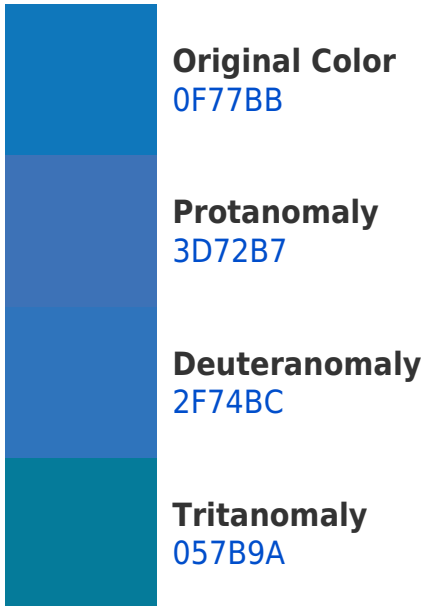
## Dichromacy





**Tritanopia**  
007E87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0F77BB 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 #0F77BB looks like.

```
.text, #text, p{  
    color:#0F77BB  
}
```

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 #0F77BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0F77BB
}
```

## Border

The CSS property to change the border of an element to Hex 0F77BB 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
#0F77BB }
```

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

```
.border{ border-color:#0F77BB }
```

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

Here you see how a box with a 4 pixel #0F77BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0F77BB; -webkit-box-shadow:4px 4px  
4px 4px #0F77BB; box-shadow:4px 4px 4px  
4px #0F77BB }
```

# Background

The CSS property to change the background color of an element to Hex 0F77BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0F77BB }
```

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

```
.background{ background-color:#0F77BB }
```

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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