

# Converting Colors

Hex(7780FF)

Have a look what the booklet for  
Hex(7780FF) contains.

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# **Color**

**Hex(7780FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7780FF
RGB	119, 128, 255
RGB Percent	47%, 50%, 100%
CMY	0.5333, 0.4980, 0.0000
CMYK	0.53, 0.50, 0.00, 0.00
HSL	236°, 100%, 73%
HSV	236°, 53%, 100%
XYZ	33.3769, 26.5803, 97.9791
YIQ	139.7870, -46.1310, 37.5890

# Conversions

## Conversions Part 2

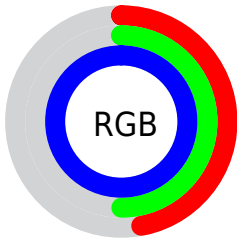
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 127, 255</a>
Decimal	<a href="#">7831807</a>
CIELab	<a href="#">58.58, 31.27, -64.49</a>
CIElCh	<a href="#">59, 71.677, 295.868</a>
Yxy	<a href="#">26.5803, 0.2113, 0.1683</a>
Android (android.graphics.Color)	<a href="#">4286021887 (0xFF7780FF)</a>
YUV	<a href="#">139.7870, 56.8000, -18.2302</a>
Hunter-Lab	<a href="#">51.5561, 25.3361, -76.5877</a>

# Details

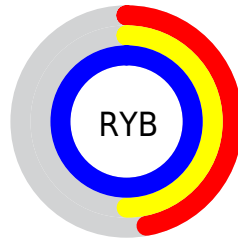
The Hex color **7780FF** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **FFF677**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **B3B5FF**, and **354FC5** is the 20% darker color. If you saturate the color by 10%, you get **5E68FF**, and if you desaturate by 10%, it is **9198FF**.

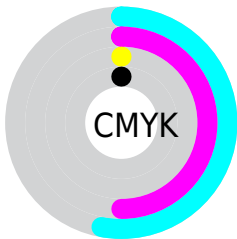
# Distribution



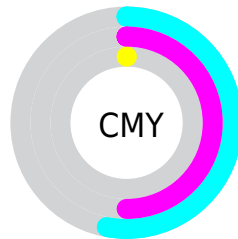
- Red (47%)
- Green (50%)
- Blue (100%)



- Red (47%)
- Yellow (50%)
- Blue (100%)



- Cyan (53%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (50%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7780FF 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 7780FF by changing the saturation by 10% instead.



 7780FF

 7780FF

FFFFFF

 5867E2

 B3B5FF

 354FC5

 D1D0FF

 0039AA

 EFECFF

 00248E

 001174

 00005B

 000742

 00032B

 000115

■ 7780FF

■ 7780FF

■ 5E68FF

■ 9198FF

■ 4450FF

■ AAB0FF

■ 2A39FF

■ C3C7FF

■ 1121FF

■ DDDFFF

■ 0011FF

■ F7F7FF

FFFFFF

# Harmonies

## Analogous

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



0097FF



7780FF



CF61D4

# Triad

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



7780FF



DF6D1F



00A882

# Complementary

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



7780FF



FFF677

# 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.



00A441



7780FF



B18700

# Square

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



7780FF



F9505A



749900



00A9C2

# Rectangle

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



7780FF



EE4EAD



749900



00A76C



# Sweetspot

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



7780FF



D6D9FF



77FFF6



676980



000000



808080



# Same Dimension

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



7780FF



5C67FF



B277FF



737480



000DBF



000440



# Inverse Universe

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



FF7780



FF5C67



C4FF77



807374



BF000D

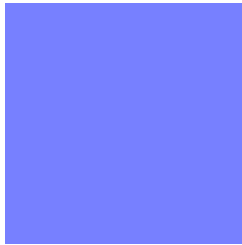


400004



# Previews

## White Background



This preview shows how the Hex color 7780FF looks on a white background.

## Color Contrast Check

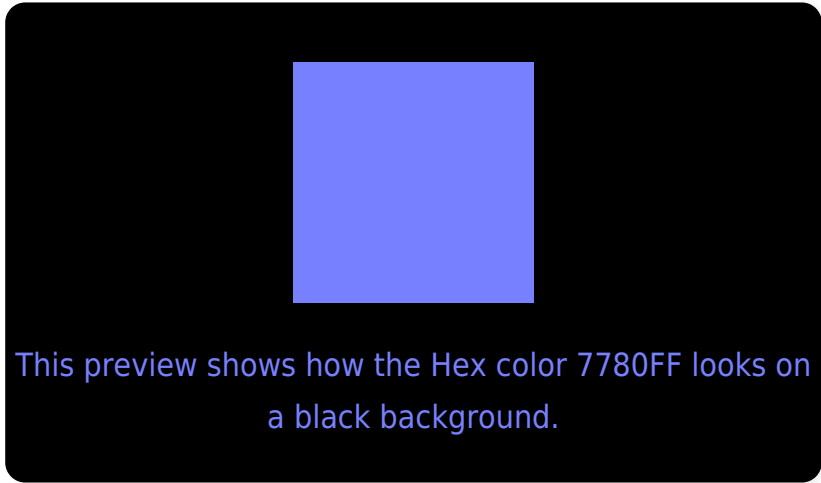
Large Text (above 18pt) WCAG AA ✓ Pass

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

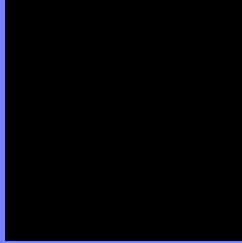
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7780FF Background



This preview shows how black text looks on a background with the Hex color 7780FF.

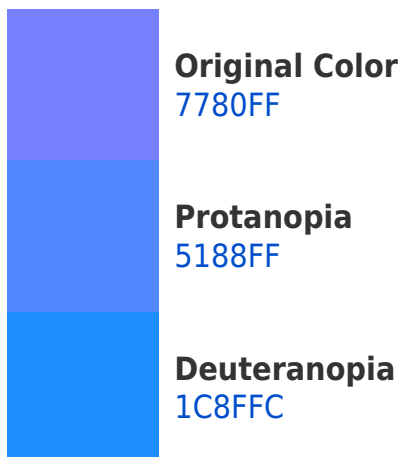


This preview shows how white text looks on a background with the Hex color 7780FF.

# 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](#).

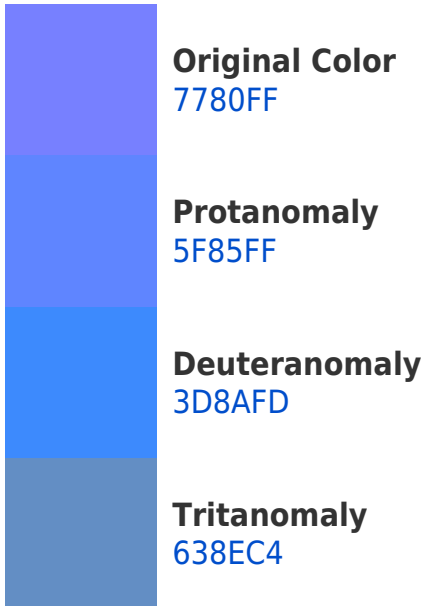
## Dichromacy





**Tritanopia**  
5796A2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7780FF 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 #7780FF looks like.

```
.text, #text, p{  
    color:#7780FF  
}
```

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 #7780FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7780FF
}
```

## Border

The CSS property to change the border of an element to Hex 7780FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

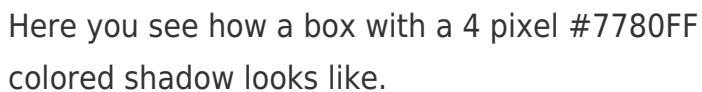
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7780FF }
```

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

```
.border{ border-color:#7780FF }
```

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



Here you see how a box with a 4 pixel #7780FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7780FF; -webkit-box-shadow:4px 4px  
4px 4px #7780FF; box-shadow:4px 4px 4px  
4px #7780FF }
```

# Background

The CSS property to change the background color of an element to Hex 7780FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7780FF }
```

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

```
.background{ background-color:#7780FF }
```

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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