

# Converting Colors

Hex(7680F8)

Have a look what the booklet for  
Hex(7680F8) contains.

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# **Color**

**Hex(7680F8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7680F8
RGB	118, 128, 248
RGB Percent	46%, 50%, 97%
CMY	0.5373, 0.4980, 0.0275
CMYK	0.52, 0.48, 0.00, 0.03
HSL	235°, 90%, 72%
HSV	235°, 52%, 97%
XYZ	32.1337, 26.0672, 92.1448
YIQ	138.6900, -44.4800, 35.2000

# Conversions

## Conversions Part 2

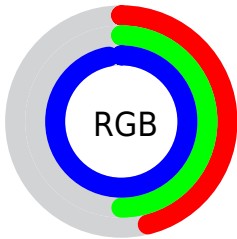
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 127, 248
Decimal	7766264
CIE <sub>Lab</sub>	58.10, 28.92, -61.42
CIE <sub>LCh</sub>	58, 67.884, 295.214
Yxy	26.0672, 0.2137, 0.1734
Android (android.graphics.Color)	4285956344 (0xFF7680F8)
YUV	138.6900, 53.8898, -18.1451
Hunter-Lab	51.0561, 22.9962, -71.2660

# Details

The Hex color **7680F8** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **F8EE76**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **B1B5FF**, and **364FBF** is the 20% darker color. If you saturate the color by 10%, you get **5D69F8**, and if you desaturate by 10%, it is **8F97F8**.

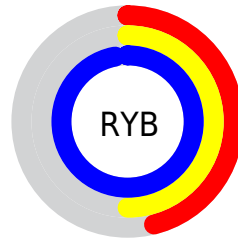
# Distribution



Red (46%)

Green (50%)

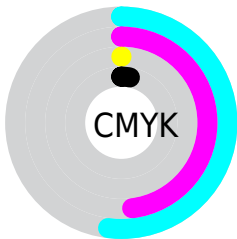
Blue (97%)



Red (46%)

Yellow (50%)

Blue (97%)

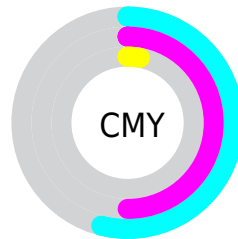


Cyan (52%)

Magenta (48%)

Yellow (0%)

Black (3%)



Cyan (54%)

Magenta (50%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7680F8 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 7680F8 by changing the saturation by 10% instead.



 7680F8

 7680F8

FFFFFF

 5767DB

 B1B5FF

 364FBF

 CFD0FF

 0039A3

 EDECFF


 002488

 00116E

 000055

 00063D

 000326

 00010F

■ 7680F8

■ 7680F8

■ 5D69F8

■ 8F97F8

■ 4452F8

■ A8AEF8

■ 2C3BF8

■ C0C5F8

■ 1324F8

■ D9DCF8

■ 0013F8

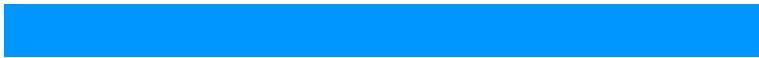
■ F2F2F8

■ FFFF8

# Harmonies

## Analogous

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



0096FF



7680F8



C963D0

# Triad

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



7680F8



DB6D27



00A680

# Complementary

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



7680F8



F8EE76

# 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.



0AA143



7680F8



AF8600

# Square

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



7680F8



F3535D



779700



00A7BD

# Rectangle

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



7680F8



E753AC



779700



00A56B



# Sweetspot

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



7680F8



D6D9FF



76F8ED



676980



000000



808080



# Same Dimension

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



7680F8



5E6BFF



AC76F8



70717D



000FBD



00053D



# Inverse Universe

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



F87680



FF5E6B



C2F876



7D7071



BD000F

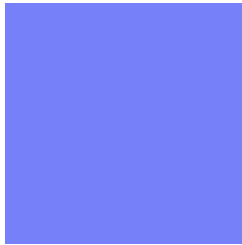


3D0005



# Previews

## White Background



This preview shows how the Hex color 7680F8 looks on a white background.

## Color Contrast Check

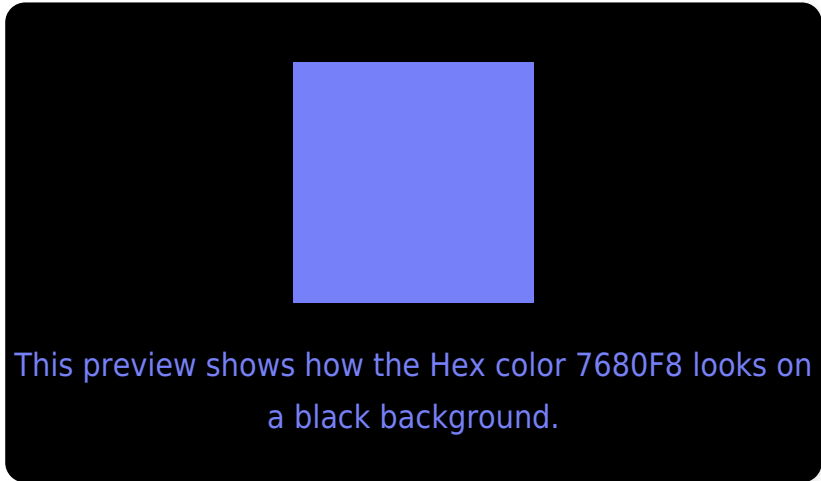
Large Text (above 18pt) WCAG AA ✓ Pass

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 7680F8 Background



This preview shows how black text looks on a background with the Hex color 7680F8.



This preview shows how white text looks on a background with the Hex color 7680F8.

# 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](#).

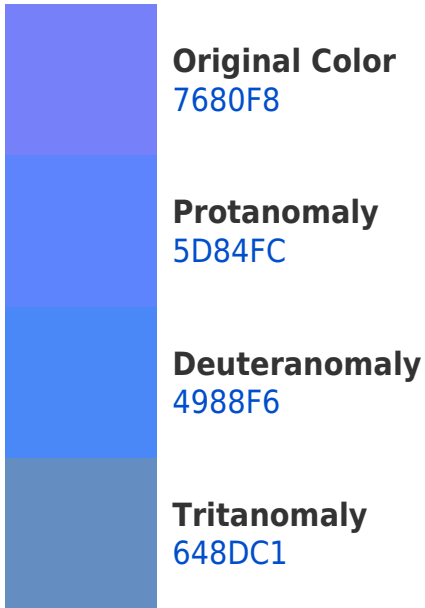
## Dichromacy





**Tritanopia**  
5995A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7680F8 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 #7680F8 looks like.

```
.text, #text, p{  
    color:#7680F8  
}
```

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 #7680F8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7680F8  
}
```

## Border

The CSS property to change the border of an element to Hex 7680F8 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  
#7680F8 }
```

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

```
.border{ border-color:#7680F8 }
```

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

Here you see how a box with a 4 pixel #7680F8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7680F8; -webkit-box-shadow:4px 4px  
4px 4px #7680F8; box-shadow:4px 4px 4px  
4px #7680F8 }
```

# Background

The CSS property to change the background color of an element to Hex 7680F8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7680F8 }
```

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

```
.background{ background-color:#7680F8 }
```

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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