

# Converting Colors

Hex(7768E2)

Have a look what the booklet for  
Hex(7768E2) contains.

<b>Hex(7768E2)</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> .....	28

# Color

Hex(7768E2)

# Conversions

## Conversions Part 1

Format	Color
Hex	7768E2
RGB	119, 104, 226
RGB Percent	47%, 41%, 89%
CMY	0.5333, 0.5922, 0.1137
CMYK	0.47, 0.54, 0.00, 0.11
HSL	247°, 68%, 65%
HSV	247°, 54%, 89%
XYZ	26.2855, 19.3136, 74.2940
YIQ	122.3930, -30.2220, 41.1220

# Conversions

## Conversions Part 2

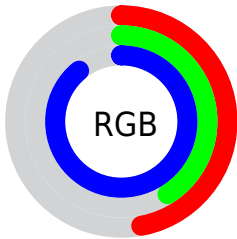
Format	Color
R <sub>Y</sub> B	119, 104, 226
Decimal	7825634
CIE Lab	51.05, 36.74, -60.47
CIE LCh	51, 70.754, 301.284
Yxy	19.3136, 0.2192, 0.1611
Android (android.graphics.Color)	4286015714 (0xFF7768E2)
YUV	122.3930, 51.0783, -2.9757
Hunter-Lab	43.9472, 29.8562, -69.4684

# Details

The Hex color **7768E2** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **D3E268**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **B19CFF**, and **3B38AA** is the 20% darker color. If you saturate the color by 10%, you get **6351E2**, and if you desaturate by 10%, it is **8B7FE2**.

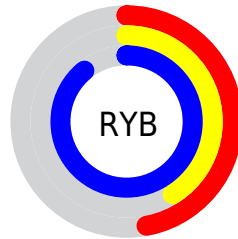
# Distribution



Red (47%)

Green (41%)

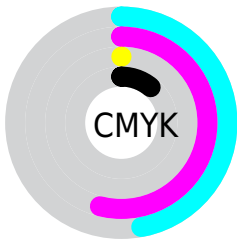
Blue (89%)



Red (47%)

Yellow (41%)

Blue (89%)

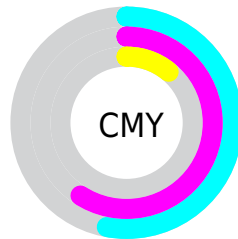


Cyan (47%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (53%)

Magenta (59%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7768E2 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 7768E2 by changing the saturation by 10% instead.



■ 7768E2

■ 7768E2

FFFFFF

■ 5A50C6

■ B19CFF

■ 3B38AA

■ CEB7FF

■ 12228F

■ ECD2FF

■ 000D74

■ FFEFFF

■ 00005B

■ 000742

■ 00032B

■ 000116

■ 000000

 7768E2

 7768E2

 6351E2

 8B7FE2

 4F3BE2

 9F95E2

 3C24E2

 B2ACE2

 280EE2

 C6C2E2

 1C00E2

 DAD9E2

 EEFOE2

 FFFFE2

# Harmonies

## Analogous

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



0081F4



7768E2



C247B5

# Triad

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



7768E2



BF5F00



00947B

# Complementary

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



7768E2



D3E268

# 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.



00903B



7768E2



917800

# Square

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



7768E2



DD403F



538800



0094B7

# Rectangle

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



7768E2



DB338E



538800



009365



# Sweetspot

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



7768E2



DBD6FF



68D4E2



6A6780



000000



808080



# Same Dimension

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



7768E2



6E59FF



B368E2



666570



1600B0



060030



# Inverse Universe

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



E268D3



FF59EB



97E268



70656F



B0009A

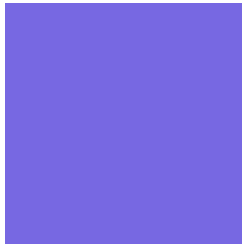


30002A



# Previews

## White Background



This preview shows how the Hex color 7768E2 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

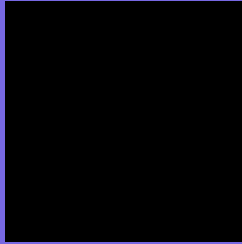
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7768E2 Background



This preview shows how black text looks on a background with the Hex color 7768E2.



This preview shows how white text looks on a background with the Hex color 7768E2.

# 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



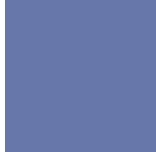
# Trichromacy



**Original Color**  
7768E2



**Protanomaly**  
4670EB

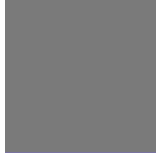


**Tritanomaly**  
6777A9

# Monochromacy



**Original Color**  
7768E2



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
7973A0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7768E2 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 #7768E2 looks like.

```
.text, #text, p{  
    color:#7768E2  
}
```

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 #7768E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7768E2
}
```

## Border

The CSS property to change the border of an element to Hex 7768E2 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
#7768E2 }
```

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

```
.border{ border-color:#7768E2 }
```

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

Here you see how a box with a 4 pixel #7768E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7768E2; -webkit-box-shadow:4px 4px  
4px 4px #7768E2; box-shadow:4px 4px 4px  
4px #7768E2 }
```

# Background

The CSS property to change the background color of an element to Hex 7768E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7768E2 }
```

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

```
.background{ background-color:#7768E2 }
```

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