

# Converting Colors

Hex(7D7CEF)

Have a look what the booklet for  
Hex(7D7CEF) contains.

<b>Hex(7D7CEF)</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> .....	29

# Color

Hex(7D7CEF)

# Conversions

## Conversions Part 1

Format	Color
Hex	7D7CEF
RGB	125, 124, 239
RGB Percent	49%, 49%, 94%
CMY	0.5098, 0.5137, 0.0627
CMYK	0.48, 0.48, 0.00, 0.06
HSL	241°, 78%, 71%
HSV	241°, 48%, 94%
XYZ	31.2451, 25.0073, 84.8414
YIQ	137.4090, -36.3190, 35.9770

# Conversions

## Conversions Part 2

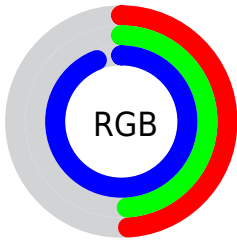
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 124, 239</a>
Decimal	<a href="#">8223983</a>
CIELab	<a href="#">57.08, 30.07, -58.04</a>
CIELCh	<a href="#">57, 65.362, 297.388</a>
Yxy	<a href="#">25.0073, 0.2214, 0.1772</a>
Android (android.graphics.Color)	<a href="#">4286414063 (0xFF7D7CEF)</a>
YUV	<a href="#">137.4090, 50.0844, -10.8827</a>
Hunter-Lab	<a href="#">50.0073, 24.0160, -65.5853</a>

# Details

The Hex color **7D7CEF** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **EEEF7C**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **B7B1FF**, and **414BB6** is the 20% darker color. If you saturate the color by 10%, you get **6564EF**, and if you desaturate by 10%, it is **9594EF**.

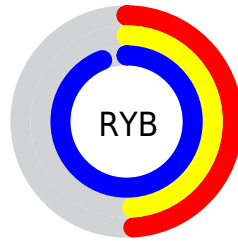
# Distribution



Red (49%)

Green (49%)

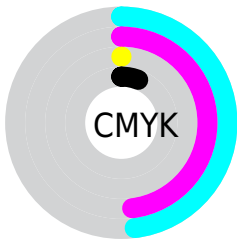
Blue (94%)



Red (49%)

Yellow (49%)

Blue (94%)

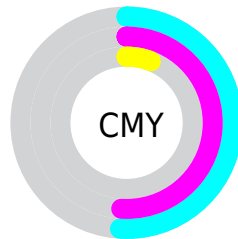


Cyan (48%)

Magenta (48%)

Yellow (0%)

Black (6%)



Cyan (51%)

Magenta (51%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7D7CEF 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 7D7CEF by changing the saturation by 10% instead.



 7D7CEF

 7D7CEF

FFFFFF

 6063D2

 B7B1FF

 414BB6

 D5CCFF

 1C359B

 F2E8FF

 002080

 000D66

 00004E

 000536

 000220

 000003

 7D7CEF

 7D7CEF

 6564EF

 9594EF

 4E4CEF

 ACACEF

 3634EF

 C4C4EF

 1E1CEF

 DCDCEF

 0704EF

 F3F3EF

 0200EF

 FFFFEF

# Harmonies

## Analogous

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



0091FB



7D7CEF



C861C7

# Triad

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



7D7CEF



D36E25



00A382

# Complementary

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



7D7CEF



EEEF7C

# 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.



009E48



7D7CEF



A88500

# Square

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



7D7CEF



EC5558



71950D



00A3BC

# Rectangle

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



7D7CEF



E352A4



71950D



00A26E



# Sweetspot

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



7D7CEF



DCDBFF



7CEFEF



6A6A80



000000



808080



# Same Dimension

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



7D7CEF



6C6BFF



B57CEF



6C6C78



0200B8



000038



# Inverse Universe

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



EF7CEE



FF6BFE



B5EF7C



786C78



B800B6

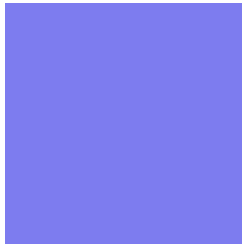


380038



# Previews

## White Background



This preview shows how the Hex color 7D7CEF looks on a white background.

## Color Contrast Check

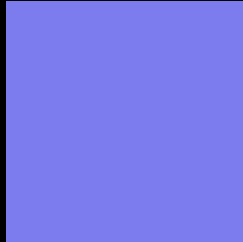
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 7D7CEF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

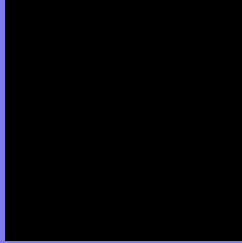
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7D7CEF Background



This preview shows how black text looks on a background with the Hex color 7D7CEF.



This preview shows how white text looks on a background with the Hex color 7D7CEF.

# 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](#).

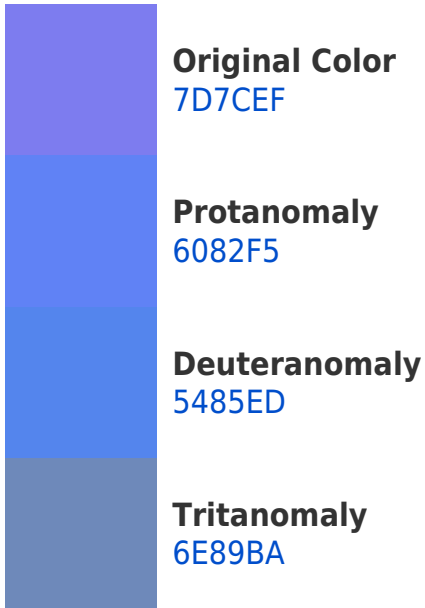
## Dichromacy



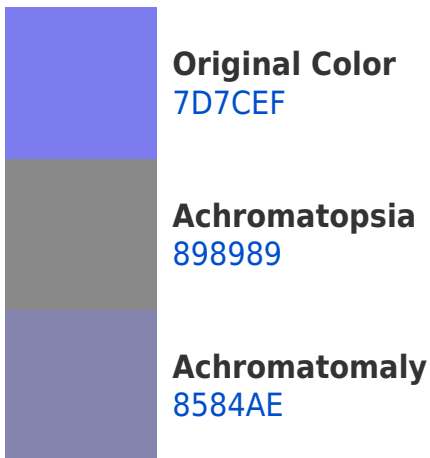


**Tritanopia**  
65909B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7D7CEF 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 #7D7CEF looks like.

```
.text, #text, p{  
    color:#7D7CEF  
}
```

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 #7D7CEF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7D7CEF
}
```

## Border

The CSS property to change the border of an element to Hex 7D7CEF 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
#7D7CEF }
```

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

```
.border{ border-color:#7D7CEF }
```

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

Here you see how a box with a 4 pixel #7D7CEF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7D7CEF; -webkit-box-shadow:4px 4px  
4px 4px #7D7CEF; box-shadow:4px 4px 4px  
4px #7D7CEF }
```

# Background

The CSS property to change the background color of an element to Hex 7D7CEF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7D7CEF }
```

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

```
.background{ background-color:#7D7CEF }
```

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