

# Converting Colors

Hex(7B7AE1)

Have a look what the booklet for  
Hex(7B7AE1) contains.

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# Color

**Hex(7B7AE1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B7AE1
RGB	123, 122, 225
RGB Percent	48%, 48%, 88%
CMY	0.5176, 0.5216, 0.1176
CMYK	0.45, 0.46, 0.00, 0.12
HSL	241°, 63%, 68%
HSV	241°, 46%, 88%
XYZ	28.7185, 23.5663, 74.2693
YIQ	134.0410, -32.4670, 32.2450

# Conversions

## Conversions Part 2

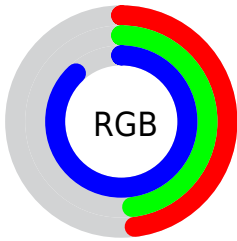
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">123, 122, 225</a>
Decimal	<a href="#">8092385</a>
CIELab	<a href="#">55.65, 26.67, -52.52</a>
CIELCh	<a href="#">56, 58.904, 296.926</a>
Yxy	<a href="#">23.5663, 0.2269, 0.1862</a>
Android (android.graphics.Color)	<a href="#">4286282465 (0xFF7B7AE1)</a>
YUV	<a href="#">134.0410, 44.8428, -9.6830</a>
Hunter-Lab	<a href="#">48.5451, 20.6439, -56.7264</a>

# Details

The Hex color **7B7AE1** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **E0E17A**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **B4AEFF**, and **4149A9** is the 20% darker color. If you saturate the color by 10%, you get **6564E1**, and if you desaturate by 10%, it is **9191E1**.

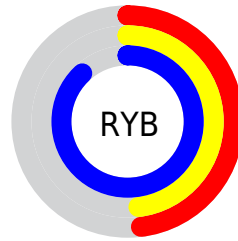
# Distribution



Red (48%)

Green (48%)

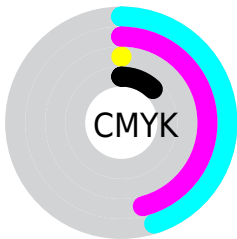
Blue (88%)



Red (48%)

Yellow (48%)

Blue (88%)

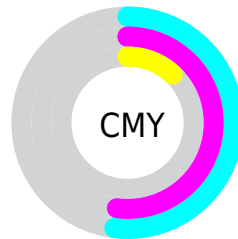


Cyan (45%)

Magenta (46%)

Yellow (0%)

Black (12%)



Cyan (52%)

Magenta (52%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B7AE1 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 7B7AE1 by changing the saturation by 10% instead.



7B7AE1

7B7AE1

FFFFFF

5F61C5

B4AEFF

4149A9

D1CAFF

20338E

EFE6FF

001E74

000A5B

000142

00032B

000116

000000

■ 7B7AE1

■ 7B7AE1

■ 6564E1

■ 9191E1

■ 4E4DE1

■ A8A7E1

■ 3837E1

■ BEBEE1

■ 2220E1

■ D4D4E1

■ 0C0AE1

■ EAEBE1

■ 0200E1

■ FFFFE1

# Harmonies

## Analogous

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



008DEC



7B7AE1



BE63BE

# Triad

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



7B7AE1



C96D2E



009D7E

# Complementary

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



7B7AE1



E0E17A

# 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.



23994A



7B7AE1



A3810C

# Square

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



7B7AE1



DF595A



72901E



009DB2

# Rectangle

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



7B7AE1



D6579E



72901E



009C6C



# Sweetspot

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



7B7AE1



DCDBFF



7AE1E1



6A6A80



000000



808080



# Same Dimension

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



7B7AE1



7473FF



AD7AE1



656570



0200B0



000030



# Inverse Universe

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



E17AE0



FF73FE



ADE17A



706570



B000AE

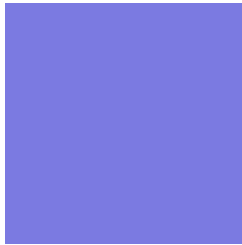


300030



# Previews

## White Background



This preview shows how the Hex color 7B7AE1 looks on a white background.

## Color Contrast Check

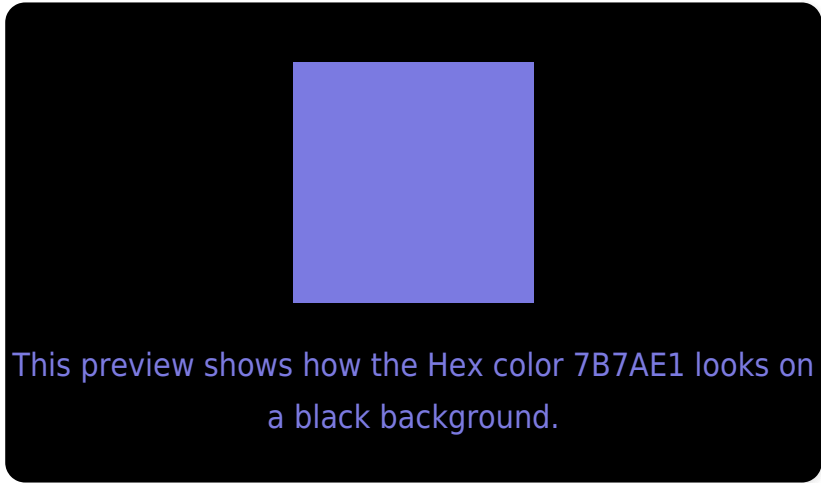
Large Text (above 18pt) WCAG AA ✓ Pass

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

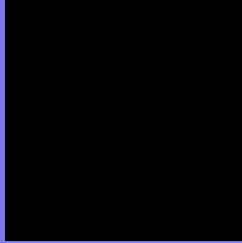
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7B7AE1 Background



This preview shows how black text looks on a background with the Hex color 7B7AE1.



This preview shows how white text looks on a background with the Hex color 7B7AE1.

# 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](#).

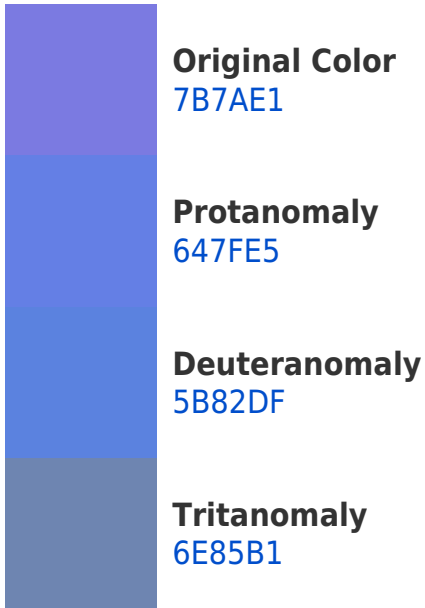
## Dichromacy



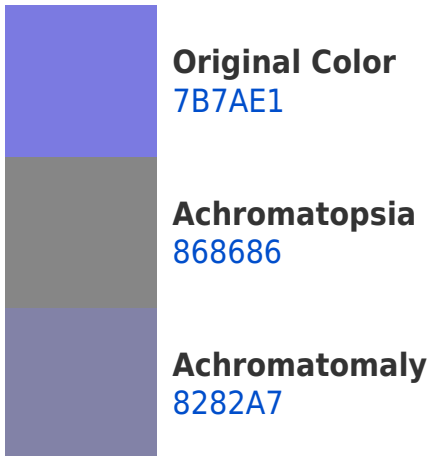


**Tritanopia**  
678B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B7AE1 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 #7B7AE1 looks like.

```
.text, #text, p{  
    color:#7B7AE1  
}
```

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 #7B7AE1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B7AE1
}
```

## Border

The CSS property to change the border of an element to Hex 7B7AE1 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
#7B7AE1 }
```

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

```
.border{ border-color:#7B7AE1 }
```

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

Here you see how a box with a 4 pixel #7B7AE1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B7AE1; -webkit-box-shadow:4px 4px  
4px 4px #7B7AE1; box-shadow:4px 4px 4px  
4px #7B7AE1 }
```

# Background

The CSS property to change the background color of an element to Hex 7B7AE1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B7AE1 }
```

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

```
.background{ background-color:#7B7AE1 }
```

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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