

# Converting Colors

Hex(7D8EB0)

Have a look what the booklet for  
Hex(7D8EB0) contains.

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# Color

**Hex(7D8EB0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D8EB0
RGB	125, 142, 176
RGB Percent	49%, 56%, 69%
CMY	0.5098, 0.4431, 0.3098
CMYK	0.29, 0.19, 0.00, 0.31
HSL	220°, 24%, 59%
HSV	220°, 29%, 69%
XYZ	25.9669, 26.8406, 44.8864
YIQ	140.7930, -21.0460, 6.9700

# Conversions

## Conversions Part 2

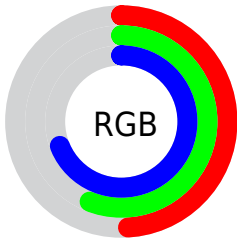
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 138, 176
Decimal	8228528
CIE <sub>Lab</sub>	58.83, 1.91, -19.84
CIE <sub>LCh</sub>	59, 19.930, 275.498
Yxy	26.8406, 0.2658, 0.2747
Android (android.graphics.Color)	4286418608 (0xFF7D8EB0)
YUV	140.7930, 17.3571, -13.8505
Hunter-Lab	51.8079, -1.1968, -15.1034

# Details

The Hex color **7D8EB0** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **B09F7D**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **B3C4E8**, and **4A5C7B** is the 20% darker color. If you saturate the color by 10%, you get **6B82B0**, and if you desaturate by 10%, it is **8F9AB0**.

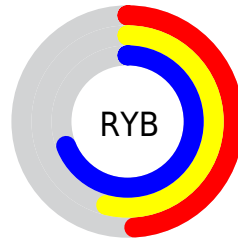
# Distribution



Red (49%)

Green (56%)

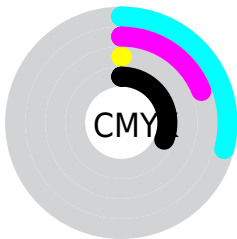
Blue (69%)



Red (49%)

Yellow (54%)

Blue (69%)

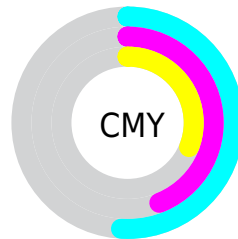


Cyan (29%)

Magenta (19%)

Yellow (0%)

Black (31%)



Cyan (51%)

Magenta (44%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7D8EB0 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 7D8EB0 by changing the saturation by 10% instead.



■ 7D8EB0

■ 7D8EB0

FFFFFF

■ 637495

■ B3C4E8

■ 4A5C7B

■ CEDFFF

■ 324562

■ EBFCFF

■ 1A2E4A

■ 001A34

■ 00021F

■ 000001

■ 000000

■ 7D8EB0

■ 7D8EB0

6B82B0

8F9AB0

5A77B0

A0A5B0

486BB0

B2B1B0

375FB0

C3BDB0

2553B0

D5C9B0

1348B0

E7D4B0

023CB0

F8E0B0

003BB0

FFECB0

FFF8B0

# Harmonies

## Analogous

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



6793AD



7D8EB0



9588AA

# Triad

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



7D8EB0



B0837A



70967F

# Complementary

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



7D8EB0



B09F7D

# 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.



849371



7D8EB0



A7886E

# Square

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



7D8EB0



B1818B



978D6B



619890

# Rectangle

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



7D8EB0



A284A2



978D6B



779579



# Sweetspot

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



7D8EB0



D1D8E6



7DB09F



666A73



F2F2F2



737373



# Same Dimension

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



7D8EB0



95B0E6



857DB0



505359



003399



00081A



# Inverse Universe

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



B07D8E



E695B0



A8B07D



595053



990033



1A0008



# Previews

## White Background



This preview shows how the Hex color 7D8EB0 looks on a white background.

## Color Contrast Check

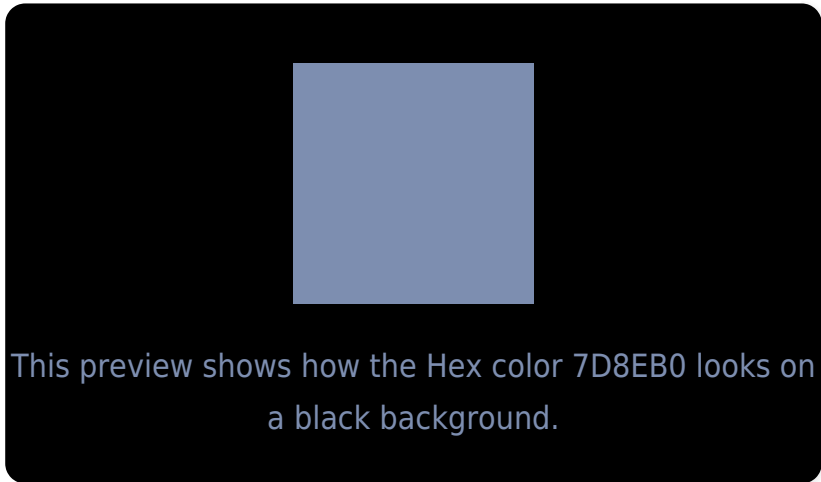
Large Text (above 18pt) WCAG AA ✓ Pass

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

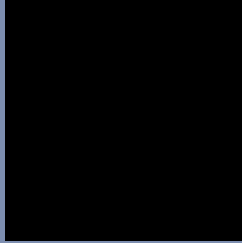
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

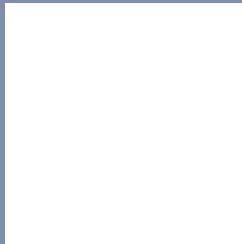
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7D8EB0 Background



This preview shows how black text looks on a background with the Hex color 7D8EB0.

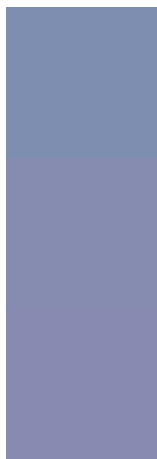


This preview shows how white text looks on a background with the Hex color 7D8EB0.

# 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



**Original Color**  
7D8EB0

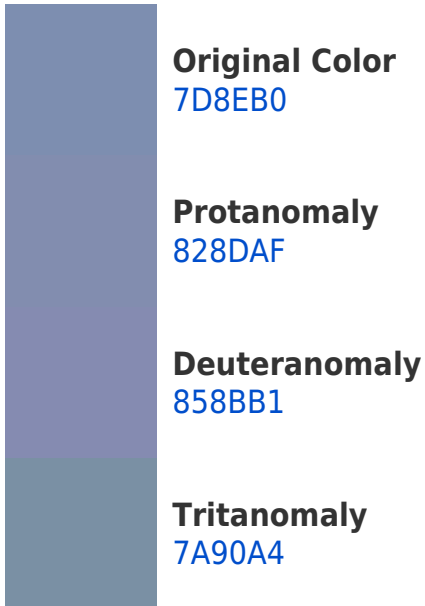
**Protanopia**  
858CAF

**Deuteranopia**  
898AB1



**Tritanopia**  
79919D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7D8EB0 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 #7D8EB0 looks like.

```
.text, #text, p{  
    color:#7D8EB0  
}
```

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 #7D8EB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7D8EB0
}
```

## Border

The CSS property to change the border of an element to Hex 7D8EB0 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
#7D8EB0 }
```

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

```
.border{ border-color:#7D8EB0 }
```

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

Here you see how a box with a 4 pixel #7D8EB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7D8EB0; -webkit-box-shadow:4px 4px  
4px 4px #7D8EB0; box-shadow:4px 4px 4px  
4px #7D8EB0 }
```

# Background

The CSS property to change the background color of an element to Hex 7D8EB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7D8EB0 }
```

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

```
.background{ background-color:#7D8EB0 }
```

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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