

# Converting Colors

Hex(7870D4)

Have a look what the booklet for  
Hex(7870D4) contains.

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# Color

**Hex(7870D4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7870D4
RGB	120, 112, 212
RGB Percent	47%, 44%, 83%
CMY	0.5294, 0.5608, 0.1686
CMYK	0.43, 0.47, 0.00, 0.17
HSL	245°, 54%, 64%
HSV	245°, 47%, 83%
XYZ	25.4236, 20.3349, 64.8724
YIQ	125.7920, -27.3320, 32.7960

# Conversions

## Conversions Part 2

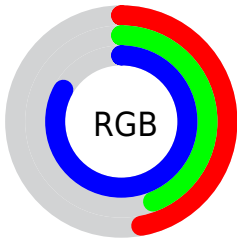
Format	Color
R <sub>Y</sub> B	120, 112, 212
Decimal	7893204
CIE Lab	52.21, 28.13, -50.68
CIE LCh	52, 57.967, 299.035
Yxy	20.3349, 0.2298, 0.1838
Android (android.graphics.Color)	4286083284 (0xFF7870D4)
YUV	125.7920, 42.5005, -5.0796
Hunter-Lab	45.0942, 21.7213, -53.7285

# Details

The Hex color **7870D4** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **CCD470**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **B0A4FF**, and **40409D** is the 20% darker color. If you saturate the color by 10%, you get **645BD4**, and if you desaturate by 10%, it is **8C85D4**.

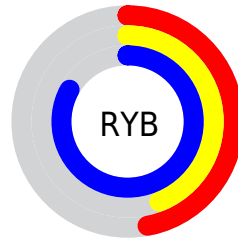
# Distribution



Red (47%)

Green (44%)

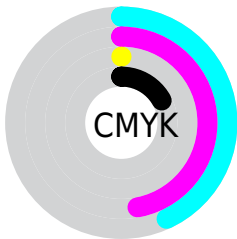
Blue (83%)



Red (47%)

Yellow (44%)

Blue (83%)

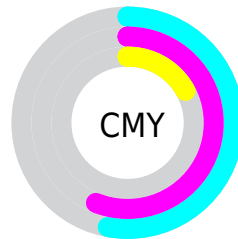


Cyan (43%)

Magenta (47%)

Yellow (0%)

Black (17%)



Cyan (53%)

Magenta (56%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7870D4 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 7870D4 by changing the saturation by 10% instead.



■ 7870D4

■ 7870D4

FFFFFF

■ 5C58B8

■ B0A4FF

■ 40409D

■ CDBFFF

■ 202A82

■ EADBFF

■ 001668

■ FFF7FF

■ 000050

■ 000538

■ 000221

■ 000007

■ 000000

 7870D4

 7870D4

 645BD4

 8C85D4

 5146D4

 9F9AD4

 3D30D4

 B3B0D4

 2A1BD4

 C6C5D4

 1606D4

 DADAD4

 1100D4

 EDEFD4

 FFFFD4

# Harmonies

## Analogous

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



0083E0



7870D4



B659B0

# Triad

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



7870D4



BC6624



009379

# Complementary

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



7870D4



CCD470

# 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.



039046



7870D4



967A00

# Square

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



7870D4



D3524F



658819



0093AC

# Rectangle

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



7870D4



CD4D91



658819



009368



# Sweetspot

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



7870D4



DEDBFF



70CDD4



6C6A80



000000



808080



# Same Dimension

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



7870D4



796EFF



A970D4



61606B



0E00AB



03002B



# Inverse Universe

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



D470CC



FF6EF3



9BD470



6B606A



AB009D

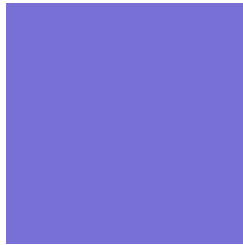


2B0028



# Previews

## White Background



This preview shows how the Hex color 7870D4 looks on a white background.

## Color Contrast Check

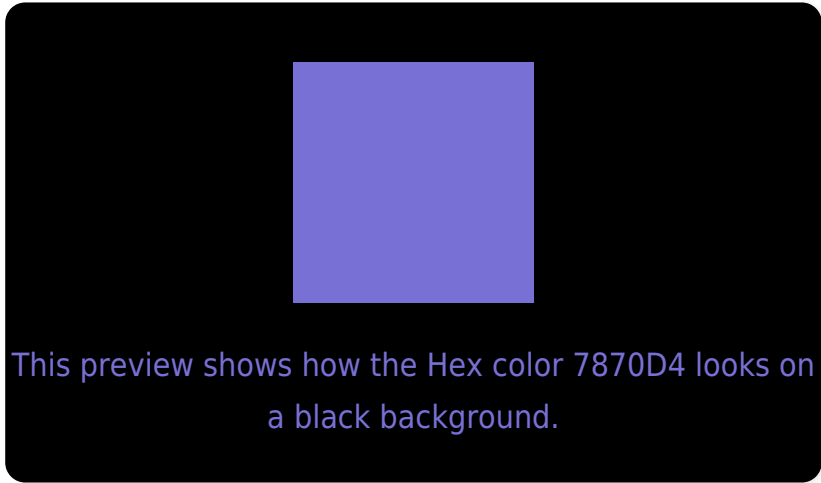
Large Text (above 18pt) WCAG AA ✓ Pass

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 7870D4 Background



This preview shows how black text looks on a background with the Hex color 7870D4.

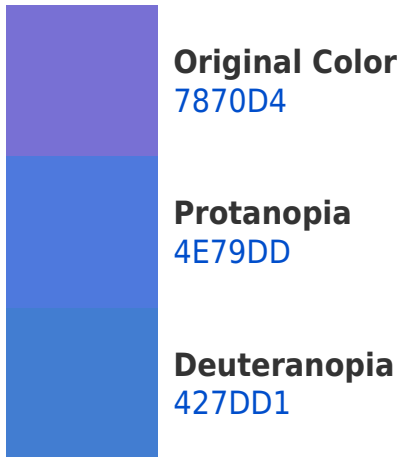


This preview shows how white text looks on a background with the Hex color 7870D4.

# 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](#).

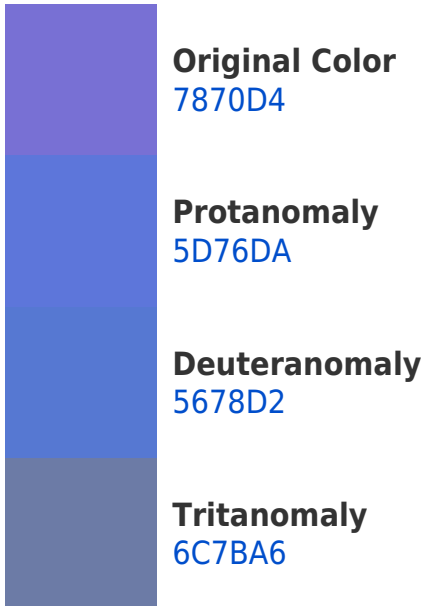
## Dichromacy





**Tritanopia**  
65818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7870D4 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 #7870D4 looks like.

```
.text, #text, p{  
    color:#7870D4  
}
```

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 #7870D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7870D4
}
```

## Border

The CSS property to change the border of an element to Hex 7870D4 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
#7870D4 }
```

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

```
.border{ border-color:#7870D4 }
```

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

Here you see how a box with a 4 pixel #7870D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7870D4; -webkit-box-shadow:4px 4px  
4px 4px #7870D4; box-shadow:4px 4px 4px  
4px #7870D4 }
```

# Background

The CSS property to change the background color of an element to Hex 7870D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7870D4 }
```

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

```
.background{ background-color:#7870D4 }
```

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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