

Converting Colors

Hex(7870DA)

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

Hex(7870DA)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(7870DA)

Conversions

Conversions Part 1

Format	Color
Hex	7870DA
RGB	120, 112, 218
RGB Percent	47%, 44%, 85%
CMY	0.5294, 0.5608, 0.1451
CMYK	0.45, 0.49, 0.00, 0.15
HSL	245°, 59%, 65%
HSV	245°, 49%, 85%
XYZ	26.1948, 20.6434, 68.9336
YIQ	126.4760, -29.2580, 34.6620

Conversions

Conversions Part 2

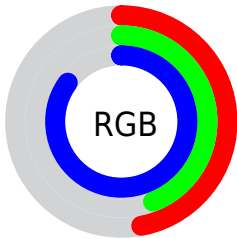
Format	Color
RYB	120, 112, 218
Decimal	7893210
CIELab	52.56, 29.88, -53.53
CIElCh	53, 61.306, 299.169
Yxy	20.6434, 0.2263, 0.1783
Android (android.graphics.Color)	4286083290 (0xFF7870DA)
YUV	126.4760, 45.1213, -5.6795
Hunter-Lab	45.4350, 23.4001, -58.1499

Details

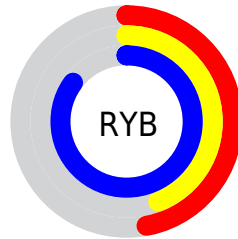
The Hex color **7870DA** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **D2DA70**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **B1A4FF**, and **3F40A2** is the 20% darker color. If you saturate the color by 10%, you get **645ADA**, and if you desaturate by 10%, it is **8C86DA**.

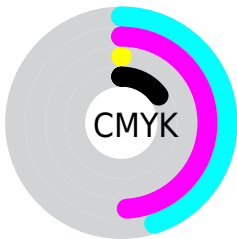
Distribution



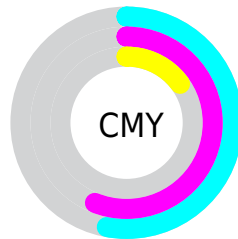
- Red (47%)
- Green (44%)
- Blue (85%)



- Red (47%)
- Yellow (44%)
- Blue (85%)



- Cyan (45%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

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

■ 7870DA

■ 7870DA

FFFFFF

■ 5C57BE

■ B1A4FF

■ 3F40A2

■ CEBFFF

■ 1D2A88

■ EBDBFF

■ 00156E

■ FFF7FF

■ 000055

■ 00063C

■ 000226

■ 00010F

■ 000000

■ 7870DA

■ 7870DA

■ 645ADA

■ 8C86DA

■ 5044DA

■ A09CDA

■ 3C2FDA

■ B4B1DA

■ 2719DA

■ C9C7DA

■ 1303DA

■ DDDDDA

■ 1000DA

■ F1F3DA

■ FFFFDA

Harmonies

Analogous

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



0084E7



7870DA



BB57B4

Triad

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



7870DA



C0651E



00957A

Complementary

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



7870DA



D2DA70

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.



009244



7870DA



987B00

Square

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



7870DA



D84F4D



64890F



0095AF

Rectangle

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



7870DA



D24A93



64890F



009468

Sweetspot

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



7870DA



DCD9FF



70D3DA



6A6980



000000



808080

Same Dimension

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



7870DA



766BFF



AC70DA



64636E



0D00AD



03002E

Inverse Universe

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



DA70D2



FF6BF4



9EDA70



6E636D



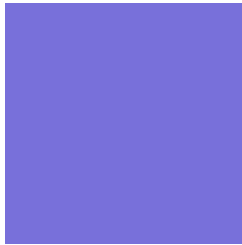
AD00A0



2E002A

Previews

White Background



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

Color Contrast Check

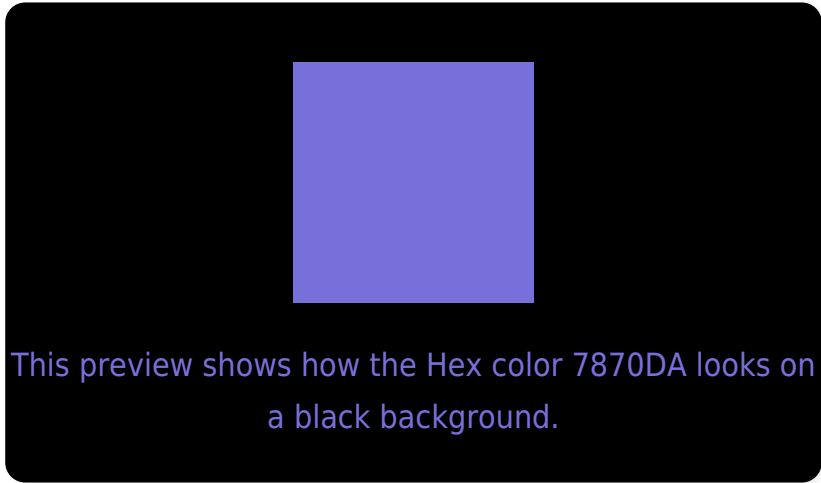
Large Text (above 18pt) WCAG AA ✓ Pass

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

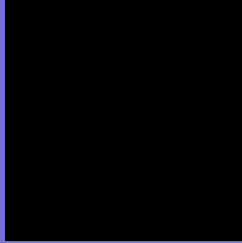
Any Text WCAG AA ✓ Pass

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 7870DA Background



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

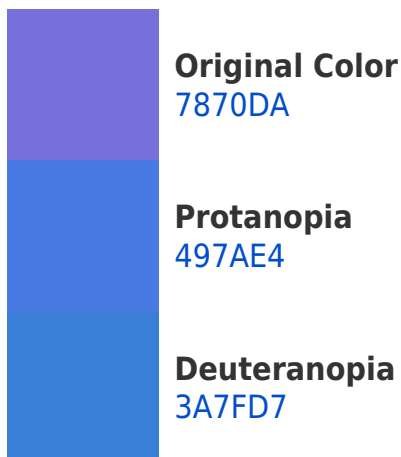



This preview shows how white text looks on a background with the Hex color 7870DA.

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](#).

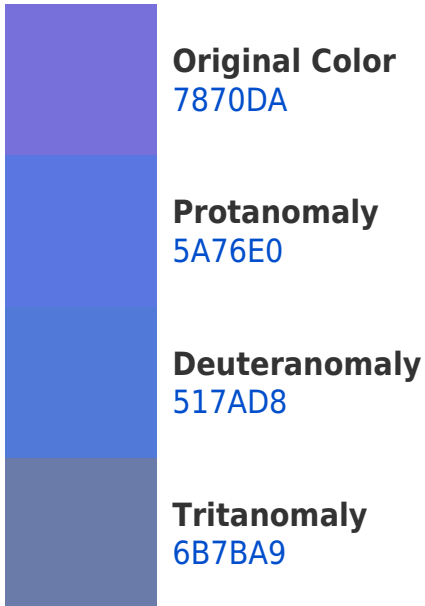
Dichromacy



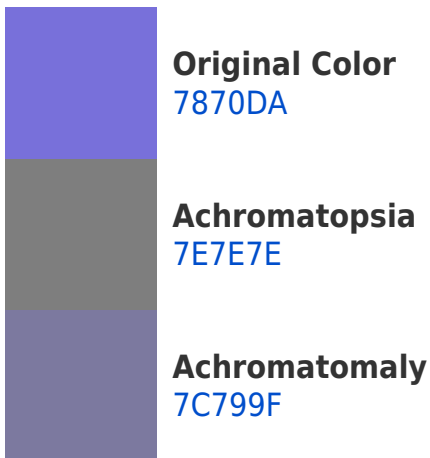


Tritanopia
63828D

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #7870DA colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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