

# Converting Colors

Hex(798DD4)

Have a look what the booklet for  
Hex(798DD4) contains.

<b>Hex(798DD4)</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(798DD4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	798DD4
RGB	121, 141, 212
RGB Percent	47%, 55%, 83%
CMY	0.5255, 0.4471, 0.1686
CMYK	0.43, 0.33, 0.00, 0.17
HSL	227°, 51%, 65%
HSV	227°, 43%, 83%
XYZ	29.2937, 27.8682, 66.1225
YIQ	143.1140, -34.7110, 17.8410

# Conversions

## Conversions Part 2

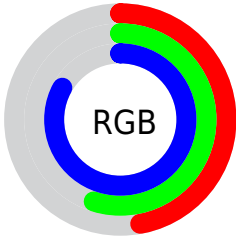
Format	Color
<a href="#">RYB</a>	<a href="#">121, 137, 212</a>
Decimal	<a href="#">7966164</a>
CIELab	<a href="#">59.77, 11.15, -38.73</a>
CIElCh	<a href="#">60, 40.301, 286.057</a>
Yxy	<a href="#">27.8682, 0.2376, 0.2260</a>
Android (android.graphics.Color)	<a href="#">4286156244</a> ( <a href="#">0xFF798DD4</a> )
YUV	<a href="#">143.1140, 33.9608, -19.3940</a>
Hunter-Lab	<a href="#">52.7903, 6.6678, -37.3105</a>

# Details

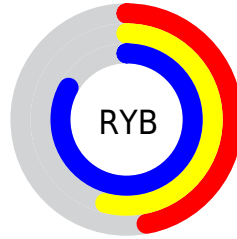
The Hex color **798DD4** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **D4C079**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **B1C2FF**, and **425B9D** is the 20% darker color. If you saturate the color by 10%, you get **647CD4**, and if you desaturate by 10%, it is **8E9ED4**.

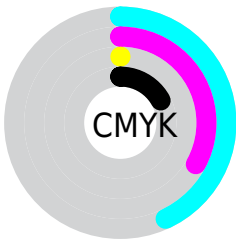
# Distribution



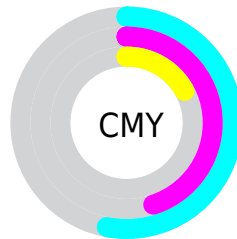
- Red (47%)
- Green (55%)
- Blue (83%)



- Red (47%)
- Yellow (54%)
- Blue (83%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (45%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 798DD4 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 798DD4 by changing the saturation by 10% instead.



■ 798DD4

■ 798DD4

FFFFFF

■ 5E74B8

■ B1C2FF

■ 425B9D

■ CDDEFF

■ 254483

■ EAFBFF

■ 002E69

■ 001A51

■ 000039

■ 000223

■ 000009

■ 000000

 798DD4

 798DD4

 647CD4

 8E9ED4

 4F6CD4

 A3AED4

 395BD4

 B9BFD4

 244BD4

 CECFD4

 0F3AD4

 E3E0D4

 002FD4

 F8F0D4

 FFFFD4

# Harmonies

## Analogous

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



2B98D4



798DD4



AB7FC1

# Triad

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



798DD4



CB7C5E



36A17E

# Complementary

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



798DD4



D4C079

# 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.



6B9C5D



798DD4



B4884B

# Square

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



798DD4



D4747E



93944A



00A2A2

# Rectangle

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



798DD4



C278AD



93944A



4BA072



# Sweetspot

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



798DD4



DEE5FF



79D4BF



6B7080



000000



808080



# Same Dimension

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



798DD4



7A98FF



9179D4



60636B



0026AB



000A2B



# Inverse Universe

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



D4798D



FF7A98



BCD479



6B6063



AB0026

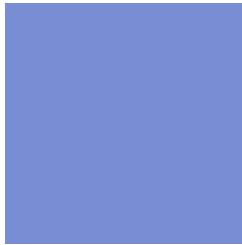


2B000A



# Previews

## White Background



This preview shows how the Hex color 798DD4 looks on a white background.

## Color Contrast Check

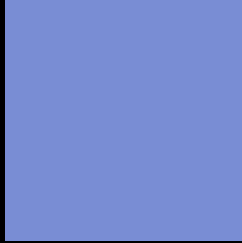
Large Text (above 18pt) WCAG AA ✓ Pass

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 798DD4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

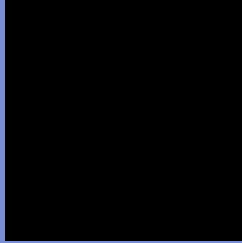
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 798DD4 Background



This preview shows how black text looks on a background with the Hex color 798DD4.



This preview shows how white text looks on a background with the Hex color 798DD4.

# 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**

798DD4

**Protanopia**

788DD4

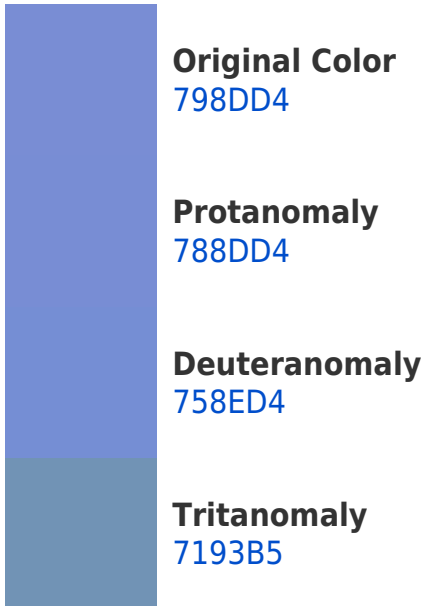
**Deuteranopia**

728FD4

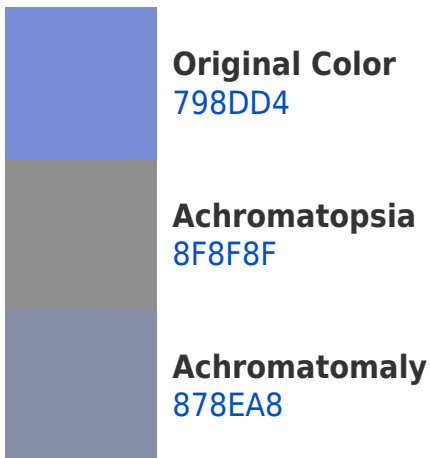


**Tritanopia**  
6C97A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 798DD4 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 #798DD4 looks like.

```
.text, #text, p{  
    color:#798DD4  
}
```

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 #798DD4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #798DD4 }  
}
```

## Border

The CSS property to change the border of an element to Hex 798DD4 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 #798DD4 }  
}
```

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

```
.border{ border-color:#798DD4 }
```

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

Here you see how a box with a 4 pixel #798DD4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #798DD4; -webkit-box-shadow:4px 4px  
4px 4px #798DD4; box-shadow:4px 4px 4px  
4px #798DD4 }
```

# Background

The CSS property to change the background color of an element to Hex 798DD4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#798DD4 }
```

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

```
.background{ background-color:#798DD4 }
```

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