

# Converting Colors

Hex(786FD8)

Have a look what the booklet for  
Hex(786FD8) contains.

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# Color

**Hex(786FD8)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 786FD8                      |
| RGB         | 120, 111, 216               |
| RGB Percent | 47%, 44%, 85%               |
| CMY         | 0.5294, 0.5647, 0.1529      |
| CMYK        | 0.44, 0.49, 0.00, 0.15      |
| HSL         | 245°, 57%, 64%              |
| HSV         | 245°, 49%, 85%              |
| XYZ         | 25.8248, 20.3198, 67.5267   |
| YIQ         | 125.6610, -28.3410, 34.5630 |

# Conversions

## Conversions Part 2

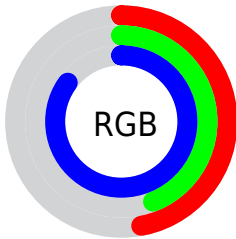
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 120, 111, 216                 |
| Decimal                             | 7892952                       |
| CIE <sub>Lab</sub>                  | 52.20, 29.89, -52.98          |
| CIE <sub>LCh</sub>                  | 52, 60.827, 299.434           |
| Yxy                                 | 20.3198, 0.2272,<br>0.1788    |
| Android<br>(android.graphics.Color) | 4286083032<br>(0xFF786FD8)    |
| YUV                                 | 125.6610, 44.5371,<br>-4.9647 |
| Hunter-Lab                          | 45.0775, 23.3768,<br>-57.2630 |

# Details

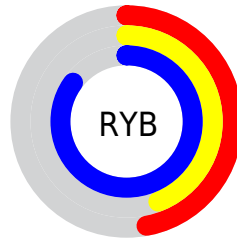
The Hex color **786FD8** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **CFD86F**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **B1A3FF**, and **3F3FA0** is the 20% darker color. If you saturate the color by 10%, you get **6459D8**, and if you desaturate by 10%, it is **8C85D8**.

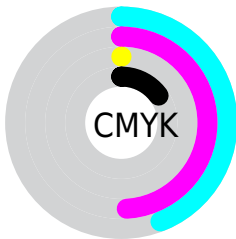
# Distribution



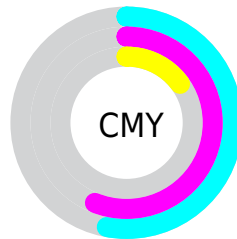
- Red (47%)
- Green (44%)
- Blue (85%)



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



- Cyan (44%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 786FD8 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 786FD8 by changing the saturation by 10% instead.



 786FD8

 786FD8

FFFFFF

 5C57BC

 B1A3FF

 3F3FA0

 CEBEFF

 1E2986

 EBDAFF

 00156C

 FFF6FF

 000053

 00063B

 000224

 00000C

 000000

 786FD8

 786FD8

 6459D8

 8C85D8

 5144D8

 9F9AD8

 3D2ED8

 B3B0D8

 2919D8

 C7C5D8

 1503D8

 DBDBD8

 1300D8

 EEF1D8

 FFFFD8

# Harmonies

## Analogous

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



0083E5



786FD8



BA56B2

# Triad

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



786FD8



BE651E



00947A

# Complementary

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



786FD8



CFD86F

# 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.



009044



786FD8



967A00

# Square

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



786FD8



D64F4C



628810



0094AE

# Rectangle

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



786FD8



D04991



628810



009368



# Sweetspot

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



786FD8



DCD9FF



6FCFD8



6B6980



000000



808080



# Same Dimension

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



786FD8



786BFF



AC6FD8



61606B



0F00AB



04002B



# Inverse Universe

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



D86FCF



FF6BF2



9BD86F



6B606A



AB009C

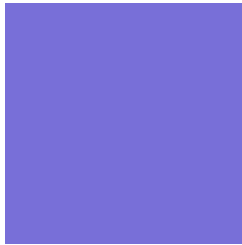


2B0028



# Previews

## White Background



This preview shows how the Hex color 786FD8 looks on a white background.

## Color Contrast Check

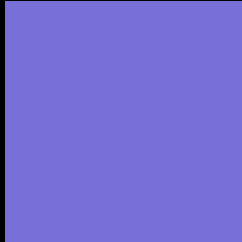
Large Text (above 18pt) WCAG AA ✓ Pass

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 786FD8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

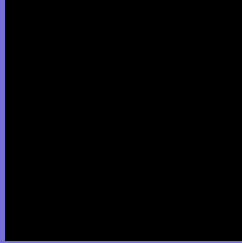
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 786FD8 Background



This preview shows how black text looks on a background with the Hex color 786FD8.

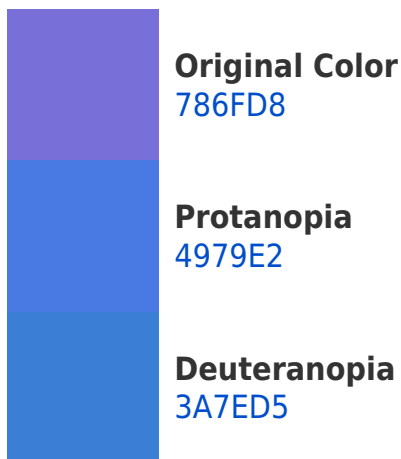


This preview shows how white text looks on a background with the Hex color 786FD8.

# 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](#).

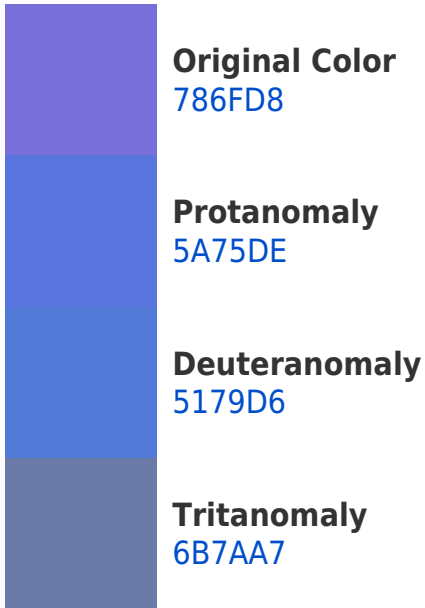
## Dichromacy



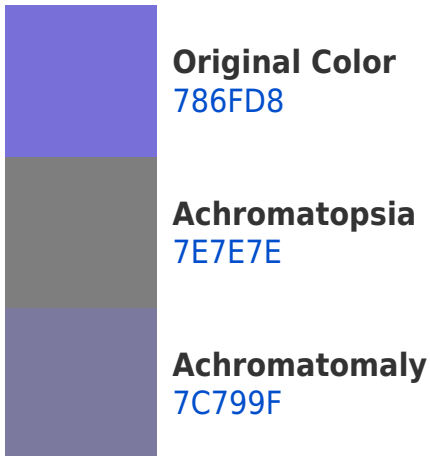


**Tritanopia**  
64818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 786FD8 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 #786FD8 looks like.

```
.text, #text, p{  
    color:#786FD8  
}
```

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 #786FD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #786FD8
}
```

## Border

The CSS property to change the border of an element to Hex 786FD8 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
#786FD8 }
```

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

```
.border{ border-color:#786FD8 }
```

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

Here you see how a box with a 4 pixel #786FD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #786FD8; -webkit-box-shadow:4px 4px  
4px 4px #786FD8; box-shadow:4px 4px 4px  
4px #786FD8 }
```

# Background

The CSS property to change the background color of an element to Hex 786FD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#786FD8 }
```

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

```
.background{ background-color:#786FD8 }
```

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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