

# Converting Colors

Hex(785C87)

Have a look what the booklet for  
Hex(785C87) contains.

<b>Hex(785C87)</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(785C87)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	785C87
RGB	120, 92, 135
RGB Percent	47%, 36%, 53%
CMY	0.5294, 0.6392, 0.4706
CMYK	0.11, 0.32, 0.00, 0.47
HSL	279°, 19%, 45%
HSV	279°, 32%, 53%
XYZ	15.9460, 13.3966, 24.6670
YIQ	105.2740, 2.8850, 19.3090

# Conversions

## Conversions Part 2

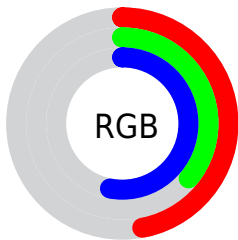
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 92, 135
Decimal	7888007
CIE <sub>Lab</sub>	43.35, 19.93, -19.59
CIE <sub>LCh</sub>	43, 27.941, 315.494
Yxy	13.3966, 0.2952, 0.2480
Android (android.graphics.Color)	4286078087 (0xFF785C87)
YUV	105.2740, 14.6549, 12.9147
Hunter-Lab	36.6014, 13.7142, -14.3367

# Details

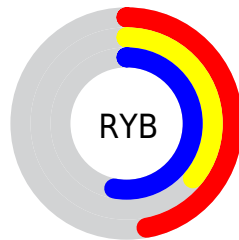
The Hex color **785C87** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **6B875C**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **AD8FBC**, and **472E55** is the 20% darker color. If you saturate the color by 10%, you get **734F87**, and if you desaturate by 10%, it is **7D6A87**.

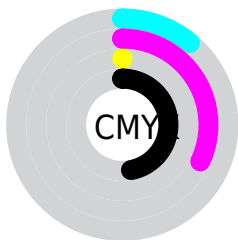
# Distribution



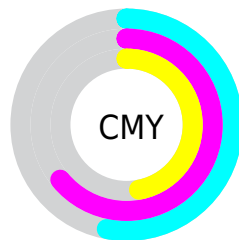
- Red (47%)
- Green (36%)
- Blue (53%)



- Red (47%)
- Yellow (36%)
- Blue (53%)



- Cyan (11%)
- Magenta (32%)
- Yellow (0%)
- Black (47%)



- Cyan (53%)
- Magenta (64%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 785C87 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 785C87 by changing the saturation by 10% instead.



 785C87

 785C87

FFFFFF

 5F446E

 AD8FBC

 472E55

 C8A9D8

 30183E

 E5C4F5

 1C0028

 FFE0FF

 000112

 FFFDFD

 000000

 785C87

 785C87

 734F87

 7D6A87

 6F4187

 817787

6A3387

868487

652687

8B9287

601987

90A087

5C0B87

94AD87

580087

99BB87

9EC887

A2D687

# Harmonies

## Analogous

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



586593



785C87



8C5573

# Triad

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



785C87



7F613A



007372

# Complementary

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



785C87



6B875C

# 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.



31725A



785C87



696939

# Square

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



785C87



8E5946



4F6F45



007187

# Rectangle

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



785C87



925463



4F6F45



15736A



# Sweetspot

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



785C87



AA9EB0



5C6B87



564F59



D9D9D9



595959



# Same Dimension

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



785C87



996DB0



875C81



403C42



550082



020003



# Inverse Universe

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



875C6B



B06D84



5C8762



423C3E



82002D



030001



# Previews

## White Background



This preview shows how the Hex color 785C87 looks on a white background.

## Color Contrast Check

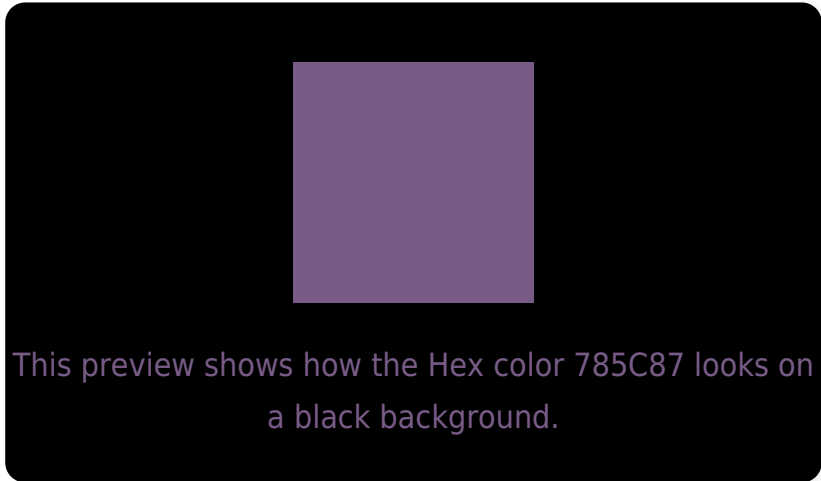
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

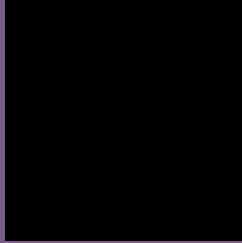
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 785C87 Background



This preview shows how black text looks on a background with the Hex color 785C87.

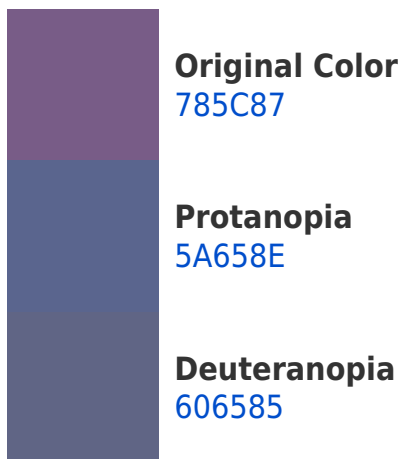


This preview shows how white text looks on a background with the Hex color 785C87.

# 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**  
736269

# Trichromacy



**Original Color**  
785C87

**Protanomaly**  
65628B

**Deuteranomaly**  
696286

**Tritanomaly**  
756074

# Monochromacy



**Original Color**  
785C87

**Achromatopsia**  
696969

**Achromatomaly**  
6E6474

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 785C87 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 #785C87 looks like.

```
.text, #text, p{  
    color:#785C87  
}
```

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 #785C87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #785C87
}
```

## Border

The CSS property to change the border of an element to Hex 785C87 is called "border". The border property can be set on classes, ids or directly on the HTML element.

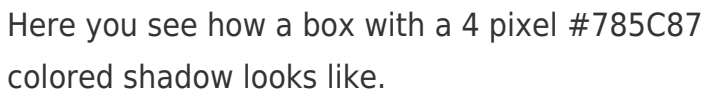
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#785C87 }
```

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

```
.border{ border-color:#785C87 }
```

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



Here you see how a box with a 4 pixel #785C87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #785C87; -webkit-box-shadow:4px 4px  
4px 4px #785C87; box-shadow:4px 4px 4px  
4px #785C87 }
```

# Background

The CSS property to change the background color of an element to Hex 785C87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#785C87 }
```

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

```
.background{ background-color:#785C87 }
```

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