

# Converting Colors

Hex(786A8A)

Have a look what the booklet for  
Hex(786A8A) contains.

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# Color

**Hex(786A8A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	786A8A
RGB	120, 106, 138
RGB Percent	47%, 42%, 54%
CMY	0.5294, 0.5843, 0.4588
CMYK	0.13, 0.23, 0.00, 0.46
HSL	266°, 13%, 48%
HSV	266°, 23%, 54%
XYZ	17.4872, 16.1361, 26.2377
YIQ	113.8340, -1.9280, 12.9200

# Conversions

## Conversions Part 2

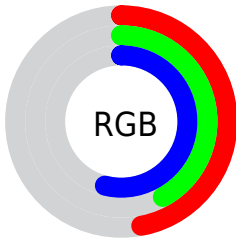
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 106, 138
Decimal	7891594
CIE <sub>Lab</sub>	47.15, 12.17, -15.57
CIE <sub>LCh</sub>	47, 19.764, 308.006
Yxy	16.1361, 0.2921, 0.2696
Android (android.graphics.Color)	4286081674 (0xFF786A8A)
YUV	113.8340, 11.9138, 5.4076
Hunter-Lab	40.1698, 7.4097, -10.6075

# Details

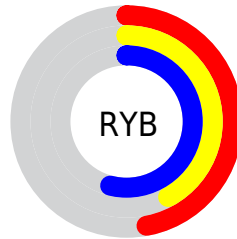
The Hex color **786A8A** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **7C8A6A**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **AD9DBF**, and **473B58** is the 20% darker color. If you saturate the color by 10%, you get **705C8A**, and if you desaturate by 10%, it is **80788A**.

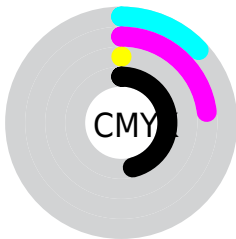
# Distribution



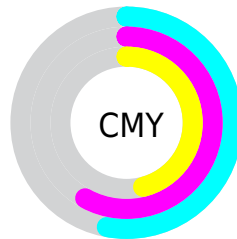
- Red (47%)
- Green (42%)
- Blue (54%)



- Red (47%)
- Yellow (42%)
- Blue (54%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (46%)



- Cyan (53%)
- Magenta (58%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 786A8A 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 786A8A by changing the saturation by 10% instead.





786A8A



786A8A

FFFFFF



5F5271



AD9DBF



473B58



C8B8DB



302541



E4D4F8



1B112A



FFF0FF



000116



000000



786A8A



786A8A



705C8A



80788A



684E8A



88868A

61418A

8F938A

59338A

97A18A

51258A

9FAF8A

49178A

A7BD8A

42098A

AECB8A

3C008A

B6D88A

BEE68A

# Harmonies

## Analogous

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



617090



786A8A



89657D

# Triad

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



786A8A



866B51



427974

# Complementary

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



786A8A



7C8A6A

# 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.



527863



786A8A



77704F

# Square

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



786A8A



90665C



657555



3E7884

# Rectangle

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



786A8A



8F6472



657555



47796E



# Sweetspot

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



786A8A



ABA6B3



6A7C8A



555259



D9D9D9



595959



# Same Dimension

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



786A8A



9681B3



886A8A



413E45



3A0085



020005



# Inverse Universe

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



8A6A7C



B3819D



6C8A6A



453E42



85004B



050003



# Previews

## White Background



This preview shows how the Hex color 786A8A looks on a white background.

## Color Contrast Check

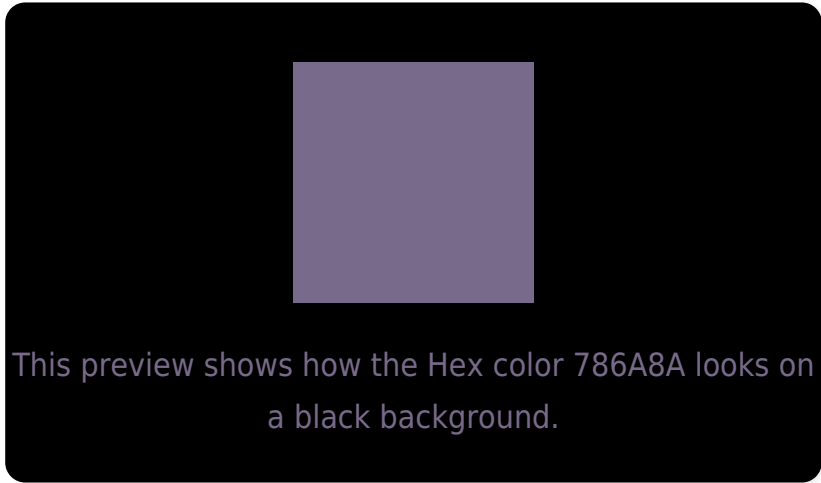
Large Text (above 18pt) WCAG AA ✓ Pass

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

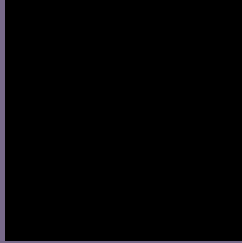
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 786A8A Background



This preview shows how black text looks on a background with the Hex color 786A8A.

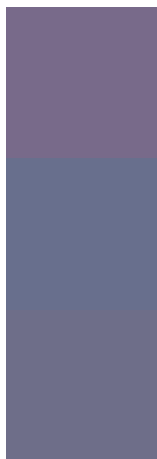


This preview shows how white text looks on a background with the Hex color 786A8A.

# 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**  
786A8A

**Protanopia**  
686F8D

**Deuteranopia**  
6E6E89



**Tritanopia**  
756E76

# Trichromacy



**Original Color**  
786A8A

**Protanomaly**  
6E6D8C

**Deuteranomaly**  
726D89

**Tritanomaly**  
766D7D

# Monochromacy



**Original Color**  
786A8A

**Achromatopsia**  
727272

**Achromatomaly**  
746F7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 786A8A 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 #786A8A looks like.

```
.text, #text, p{  
    color:#786A8A  
}
```

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 #786A8A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #786A8A
}
```

## Border

The CSS property to change the border of an element to Hex 786A8A 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
#786A8A }
```

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

```
.border{ border-color:#786A8A }
```

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

Here you see how a box with a 4 pixel #786A8A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #786A8A; -webkit-box-shadow:4px 4px  
4px 4px #786A8A; box-shadow:4px 4px 4px  
4px #786A8A }
```

# Background

The CSS property to change the background color of an element to Hex 786A8A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#786A8A }
```

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

```
.background{ background-color:#786A8A }
```

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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