

# Converting Colors

Hex(78547B)

Have a look what the booklet for  
Hex(78547B) contains.

<b>Hex(78547B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(78547B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78547B
RGB	120, 84, 123
RGB Percent	47%, 33%, 48%
CMY	0.5294, 0.6706, 0.5176
CMYK	0.02, 0.32, 0.00, 0.52
HSL	295°, 19%, 41%
HSV	295°, 32%, 48%
XYZ	14.4912, 11.7638, 20.2458
YIQ	99.2100, 8.9370, 19.7610

# Conversions

## Conversions Part 2

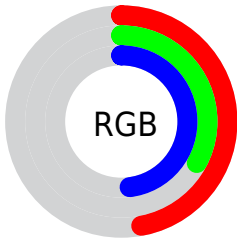
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 84, 123
Decimal	7885947
CIE <sub>Lab</sub>	40.84, 22.12, -16.16
CIE <sub>LCh</sub>	41, 27.391, 323.855
Yxy	11.7638, 0.3116, 0.2530
Android (android.graphics.Color)	4286076027 (0xFF78547B)
YUV	99.2100, 11.7285, 18.2328
Hunter-Lab	34.2984, 15.3949, -10.9891

# Details

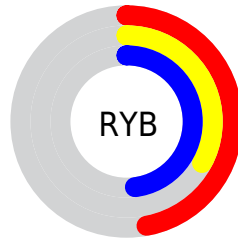
The Hex color **78547B** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **577B54**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **AD86B0**, and **47264A** is the 20% darker color. If you saturate the color by 10%, you get **77487B**, and if you desaturate by 10%, it is **79607B**.

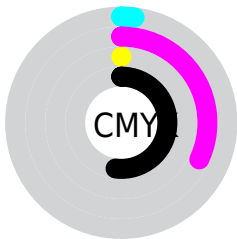
# Distribution



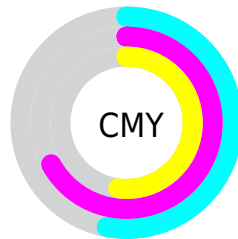
- Red (47%)
- Green (33%)
- Blue (48%)



- Red (47%)
- Yellow (33%)
- Blue (48%)



- Cyan (2%)
- Magenta (32%)
- Yellow (0%)
- Black (52%)



- Cyan (53%)
- Magenta (67%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78547B 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 78547B by changing the saturation by 10% instead.



 78547B

 78547B

FFFFFF

 5F3C62

 AD86B0

 47264A

 C8A0CB

 2F1033

 E5BCE7

 1E001F

 FFD7FF

 000001

 FFF4FF

 000000

 78547B

 78547B

 77487B

 79607B

 763B7B

 7A6D7B

752F7B

7B797B

74237B

7C857B

73177B

7D927B

720A7B

7E9E7B

72007B

7FAA7B

80B67B

81C37B

# Harmonies

## Analogous

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



5C5C89



78547B



884F66

# Triad

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



78547B



735D33



006C72

# Complementary

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



78547B



577B54

# 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.



216C5B



78547B



5C6436

# Square

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



78547B



83553D



426945



006984

# Rectangle

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



78547B



8C4F57



426945



006C6A



# Sweetspot

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



78547B



9F91A1



54577B



514852



D1D1D1



525252



# Same Dimension

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



78547B



9C64A1



7B546B



3D373D



73007D



E900FC



# Inverse Universe

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



7B5457



A16468



547B64



3D3738



7D000A

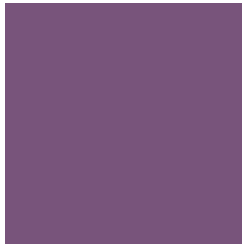


FC0013



# Previews

## White Background



This preview shows how the Hex color 78547B looks on a white background.

## Color Contrast Check

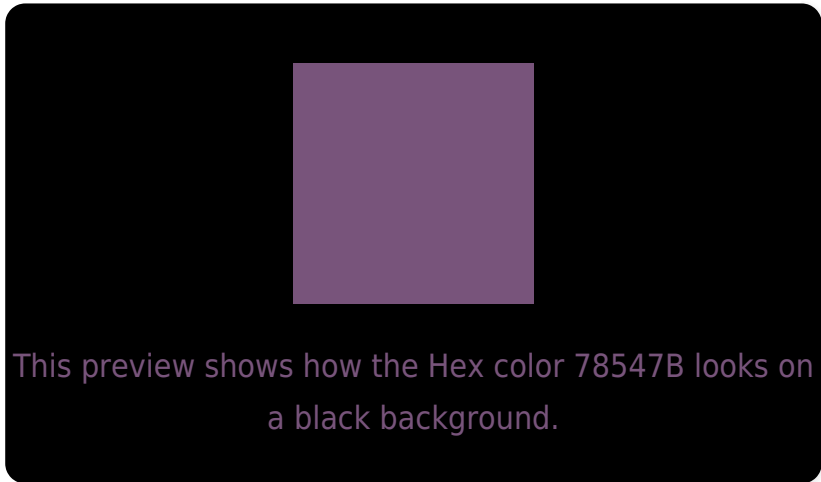
Large Text (above 18pt) WCAG AA ✓ Pass

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

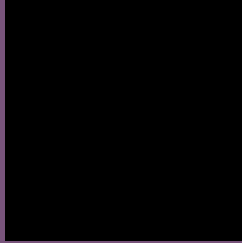
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 78547B Background



This preview shows how black text looks on a background with the Hex color 78547B.




This preview shows how white text looks on a background with the Hex color 78547B.

# 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**  
745960

# Trichromacy



**Original Color**  
78547B

**Protanomaly**  
625B80

**Deuteranomaly**  
675B7A

**Tritanomaly**  
75576A

# Monochromacy



**Original Color**  
78547B

**Achromatopsia**  
636363

**Achromatomaly**  
6B5E6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78547B 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 #78547B looks like.

```
.text, #text, p{  
    color:#78547B  
}
```

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 #78547B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78547B
}
```

## Border

The CSS property to change the border of an element to Hex 78547B 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
#78547B }
```

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

```
.border{ border-color:#78547B }
```

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

Here you see how a box with a 4 pixel #78547B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78547B; -webkit-box-shadow:4px 4px  
4px 4px #78547B; box-shadow:4px 4px 4px  
4px #78547B }
```

# Background

The CSS property to change the background color of an element to Hex 78547B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78547B }
```

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

```
.background{ background-color:#78547B }
```

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