

# Converting Colors

Hex(80557A)

Have a look what the booklet for  
Hex(80557A) contains.

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**Color**

**Hex(80557A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80557A
RGB	128, 85, 122
RGB Percent	50%, 33%, 48%
CMY	0.4980, 0.6667, 0.5216
CMYK	0.00, 0.34, 0.05, 0.50
HSL	308°, 20%, 42%
HSV	308°, 34%, 50%
XYZ	15.6634, 12.4913, 19.9979
YIQ	102.0750, 13.7510, 20.6230

# Conversions

## Conversions Part 2

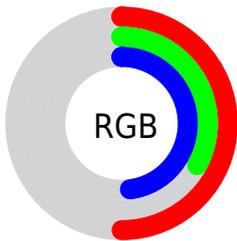
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 85, 122
Decimal	8410490
CIE <sub>Lab</sub>	41.99, 24.19, -13.71
CIE <sub>LCh</sub>	42, 27.800, 330.455
Yxy	12.4913, 0.3253, 0.2594
Android (android.graphics.Color)	4286600570 (0xFF80557A)
YUV	102.0750, 9.8230, 22.7362
Hunter-Lab	35.3431, 17.2577, -8.8074

# Details

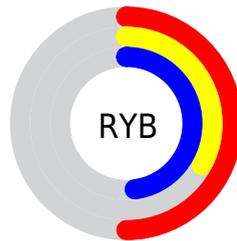
The Hex color **80557A** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **55805B**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **B687AE**, and **4E2649** is the 20% darker color. If you saturate the color by 10%, you get **804878**, and if you desaturate by 10%, it is **80627C**.

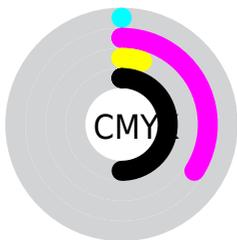
# Distribution



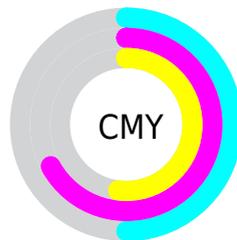
- Red (50%)
- Green (33%)
- Blue (48%)



- Red (50%)
- Yellow (33%)
- Blue (48%)



- Cyan (0%)
- Magenta (34%)
- Yellow (5%)
- Black (50%)



- Cyan (50%)
- Magenta (67%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80557A 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 80557A by changing the saturation by 10% instead.

80557A

80557A

FFFFFF

663D61

B687AE

4E2649

D1A2CA

361033

EEBDE6

23001E

FFD9FF

000000

FFF6FF

80557A

80557A

804878

80627C

803B76

806F7E

802F75

807B7F

802273

808881

801571

809583

80086F

80A285

80006E

80AF87

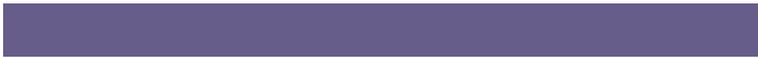
80BB88

80C88A

# Harmonies

## Analogous

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



665D8B



80557A



8E5164

# Triad

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



80557A



716235



006F7A

# Complementary

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



80557A



55805B

# 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.



196F63



80557A



5A693B

# Square

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



80557A



845A3C



3E6D4C



0A6B8A

# Rectangle

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



80557A



8F5254



3E6D4C



006F72

# Sweetspot

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



80557A



A695A3



5B5580



544A53



D4D4D4



545454



# Same Dimension

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



80557A



A6639C



805565



40393F



80006E



000000



# Inverse Universe

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



80557A



A6639C



558070



40393F



80006E

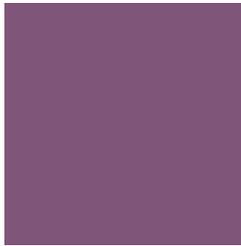


000000



# Previews

## White Background



This preview shows how the Hex color 80557A looks on a white background.

## Color Contrast Check

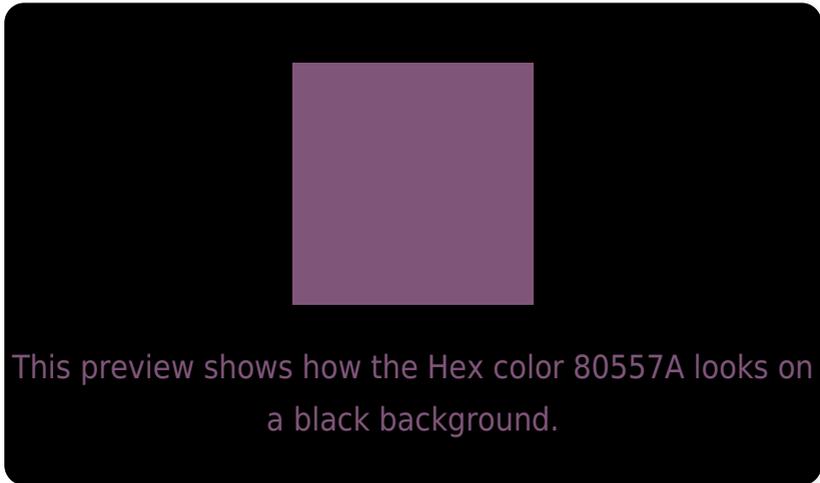
Large Text (above 18pt) WCAG AA ✓ Pass

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

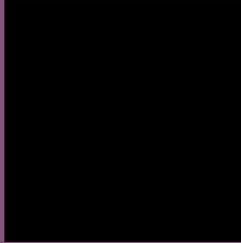
Any Text WCAG AA × Fail

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 80557A Background



This preview shows how black text looks on a background with the Hex color 80557A.



This preview shows how white text looks on a background with the Hex color 80557A.

# 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**  
80557A

**Protanopia**  
5A6283

**Deuteranopia**  
636178



**Tritanopia**  
7D5A61

# Trichromacy



**Original Color**  
80557A

**Protanomaly**  
685D80

**Deuteranomaly**  
6E5D79

**Tritanomaly**  
7E586A

# Monochromacy



**Original Color**  
80557A

**Achromatopsia**  
666666

**Achromatomaly**  
6F606D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80557A 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 #80557A looks like.

```
.text, #text, p{  
    color:#80557A  
}
```

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 #80557A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80557A
}
```

## Border

The CSS property to change the border of an element to Hex 80557A is called "border". The border property can be set on classes, ids or directly on the HTML element.

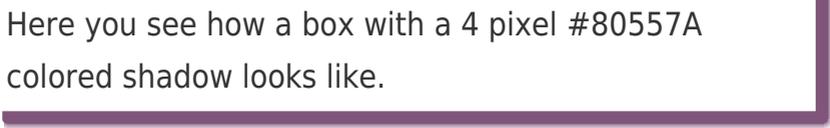
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80557A }
```

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

```
.border{ border-color:#80557A }
```

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



Here you see how a box with a 4 pixel #80557A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80557A; -webkit-box-shadow:4px 4px  
4px 4px #80557A; box-shadow:4px 4px 4px  
4px #80557A }
```

# Background

The CSS property to change the background color of an element to Hex 80557A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80557A }
```

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

```
.background{ background-color:#80557A }
```

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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