

# Converting Colors

Hex(842E7A)

Have a look what the booklet for  
Hex(842E7A) contains.

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# Color

**Hex(842E7A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	842E7A
RGB	132, 46, 122
RGB Percent	52%, 18%, 48%
CMY	0.4824, 0.8196, 0.5216
CMYK	0.00, 0.65, 0.08, 0.48
HSL	307°, 48%, 35%
HSV	307°, 65%, 52%
XYZ	14.0056, 8.2647, 19.2694
YIQ	80.3780, 26.8600, 41.8680

# Conversions

## Conversions Part 2

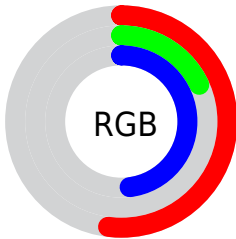
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 46, 122
Decimal	8662650
CIE <sub>Lab</sub>	34.53, 46.30, -25.17
CIE <sub>LCh</sub>	35, 52.699, 331.470
Yxy	8.2647, 0.3372, 0.1990
Android (android.graphics.Color)	4286852730 (0xFF842E7A)
YUV	80.3780, 20.5196, 45.2725
Hunter-Lab	28.7483, 36.6518, -19.6170

# Details

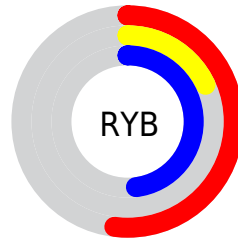
The Hex color **842E7A** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **2E8438**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **BB62AF**, and **4F0049** is the 20% darker color. If you saturate the color by 10%, you get **842178**, and if you desaturate by 10%, it is **843B7C**.

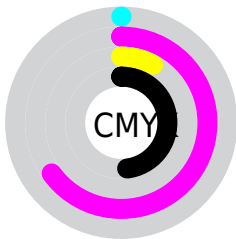
# Distribution



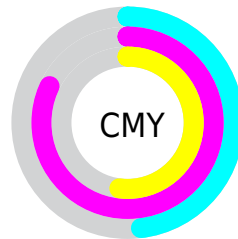
- Red (52%)
- Green (18%)
- Blue (48%)



- Red (52%)
- Yellow (18%)
- Blue (48%)



- Cyan (0%)
- Magenta (65%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (82%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 842E7A 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 842E7A by changing the saturation by 10% instead.



842E7A

842E7A

FFFFFF

691061

BB62AF

4F0049

D87DCA

370032

F598E6

1D001D

FFB3FF

000000

FFCFFF

FFECFF

842E7A

842E7A

842178

843B7C

■ 841477

■ 84487D

■ 840675

■ 84567F

■ 840075

■ 846380

■ 847082

■ 847D83

■ 848A85

■ 849886

■ 84A588

# Harmonies

## Analogous

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



504599



842E7A



991E51

# Triad

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



842E7A



615000



00637C

# Complementary

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



842E7A



2E8438

# 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.



006352



842E7A



375B00

# Square

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



842E7A



823F00



006126



00609B

# Rectangle

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



842E7A



992335



006126



00646F



# Sweetspot

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



842E7A



AB89A7



372E84



574254



D6D6D6



575757



# Same Dimension

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



842E7A



AB269B



842E50



423C42



820073



030002



# Inverse Universe

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



842E7A



AB269B



2E8462



423C42



820073



030002



# Previews

## White Background



This preview shows how the Hex color 842E7A looks on a white background.

## Color Contrast Check

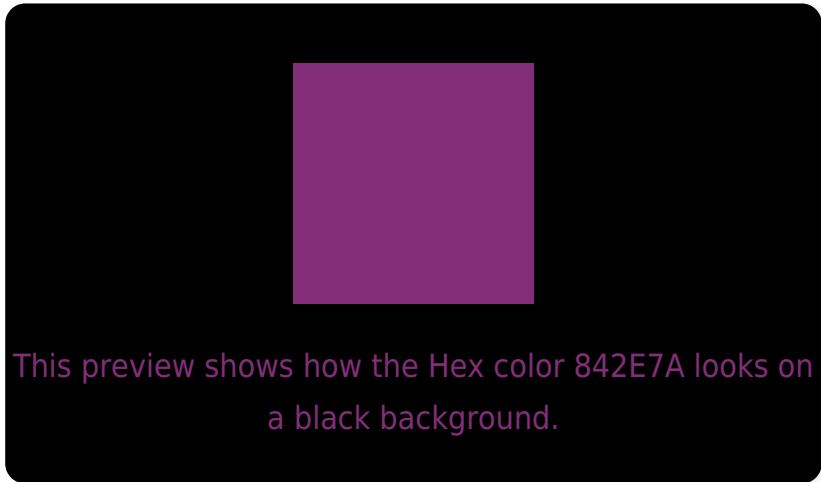
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

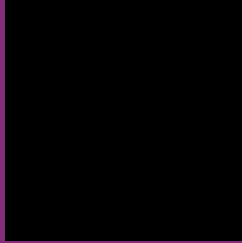
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 842E7A Background



This preview shows how black text looks on a background with the Hex color 842E7A.

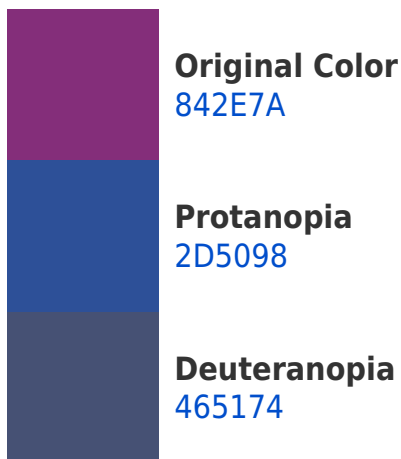


This preview shows how white text looks on a background with the Hex color 842E7A.

# 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**  
7E3E43

# Trichromacy



**Original Color**  
842E7A



**Protanomaly**  
4D448D



**Deuteranomaly**  
5D4476



**Tritanomaly**  
803857

# Monochromacy



**Original Color**  
842E7A



**Achromatopsia**  
505050



**Achromatomaly**  
63445F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 842E7A 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 #842E7A looks like.

```
.text, #text, p{  
    color:#842E7A  
}
```

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 #842E7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #842E7A
}
```

## Border

The CSS property to change the border of an element to Hex 842E7A is called "border". The border property can be set on classes, ids or directly on the HTML element.

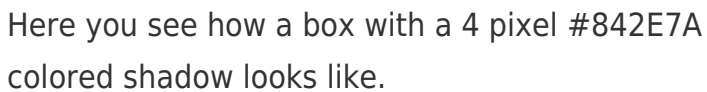
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#842E7A }
```

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

```
.border{ border-color:#842E7A }
```

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



Here you see how a box with a 4 pixel #842E7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #842E7A; -webkit-box-shadow:4px 4px  
4px 4px #842E7A; box-shadow:4px 4px 4px  
4px #842E7A }
```

# Background

The CSS property to change the background color of an element to Hex 842E7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#842E7A }
```

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

```
.background{ background-color:#842E7A }
```

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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