

# Converting Colors

Hex(87419A)

Have a look what the booklet for  
Hex(87419A) contains.

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**Color**

**Hex(87419A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87419A
RGB	135, 65, 154
RGB Percent	53%, 25%, 60%
CMY	0.4706, 0.7451, 0.3961
CMYK	0.12, 0.58, 0.00, 0.40
HSL	287°, 41%, 43%
HSV	287°, 58%, 60%
XYZ	17.7147, 11.2646, 31.8125
YIQ	96.0760, 13.1510, 42.5190

# Conversions

## Conversions Part 2

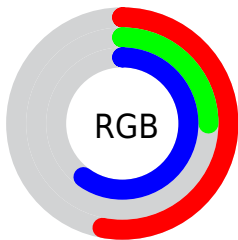
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 65, 154
Decimal	8864154
CIE <sub>Lab</sub>	40.02, 44.13, -36.12
CIE <sub>LCh</sub>	40, 57.028, 320.699
Yxy	11.2646, 0.2914, 0.1853
Android (android.graphics.Color)	4287054234 (0xFF87419A)
YUV	96.0760, 28.5565, 34.1363
Hunter-Lab	33.5628, 35.4790, -32.7041

# Details

The Hex color **87419A** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **549A41**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **BE74D1**, and **520A66** is the 20% darker color. If you saturate the color by 10%, you get **84329A**, and if you desaturate by 10%, it is **8A509A**.

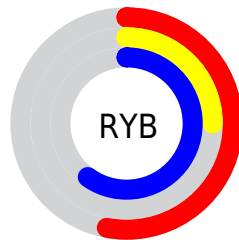
# Distribution



Red (53%)

Green (25%)

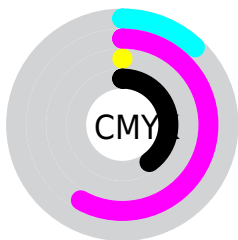
Blue (60%)



Red (53%)

Yellow (25%)

Blue (60%)

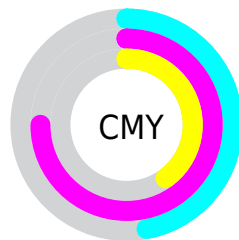


Cyan (12%)

Magenta (58%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (75%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87419A 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 87419A by changing the saturation by 10% instead.



87419A

87419A

FFFFFF

6C2880

BE74D1

520A66

DB8FED

39004E

F8AAFF

250037

FFC6FF

000120

FFE2FF

000004

000000

87419A

87419A

84329A

8A509A

80229A

8E609A

7D139A

916F9A

7A039A

947F9A

79009A

978E9A

9B9D9A

9EAD9A

A1BC9A

A5CC9A

# Harmonies

## Analogous

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



3858B6



87419A



A92A6F

# Triad

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



87419A



7F5700



00737E

# Complementary

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



87419A



549A41

# 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.



00724E



87419A



546600

# Square

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



87419A



9E4214



046E1D



0070A6

# Rectangle

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



87419A



B02850



046E1D



00736E



# Sweetspot

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



87419A



C2A7C9



41549A



625266



E6E6E6



666666



# Same Dimension

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



87419A



AC3EC9



9A4181



4B454D



6E008C



0A000D



# Inverse Universe

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



9A4154



C93E5C



419A5A



4D4546



8C001E

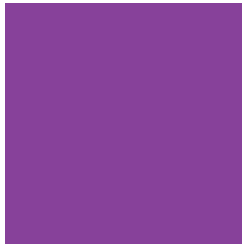


0D0003



# Previews

## White Background



This preview shows how the Hex color 87419A looks on a white background.

## Color Contrast Check

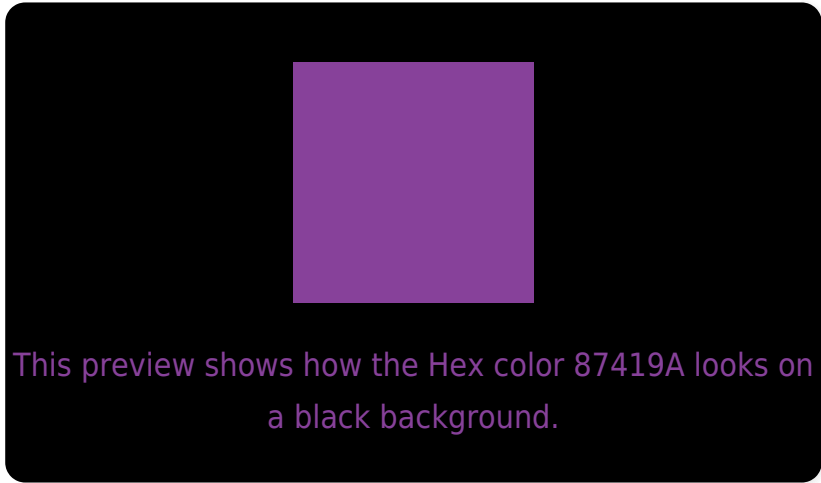
Large Text (above 18pt) WCAG AA ✓ Pass

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

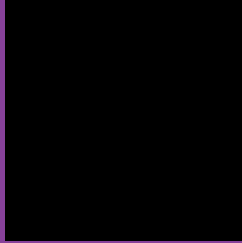
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87419A Background



This preview shows how black text looks on a background with the Hex color 87419A.

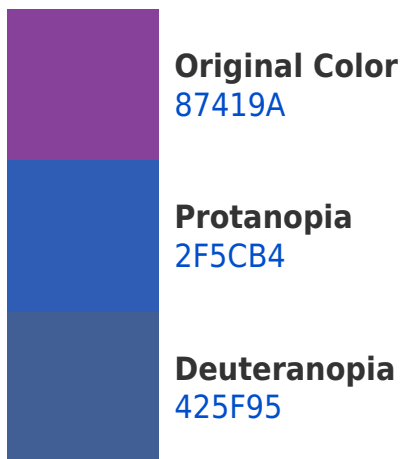


This preview shows how white text looks on a background with the Hex color 87419A.

# 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](#).

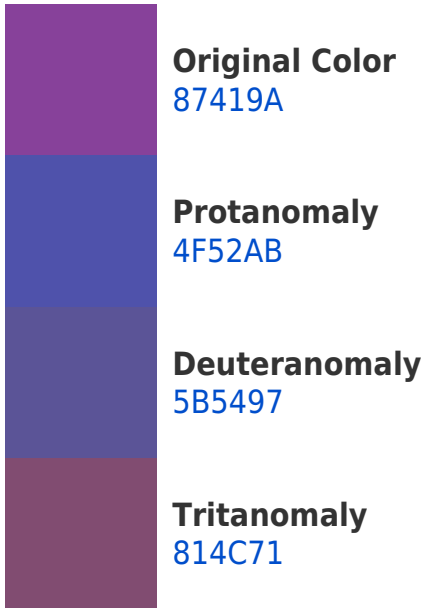
## Dichromacy



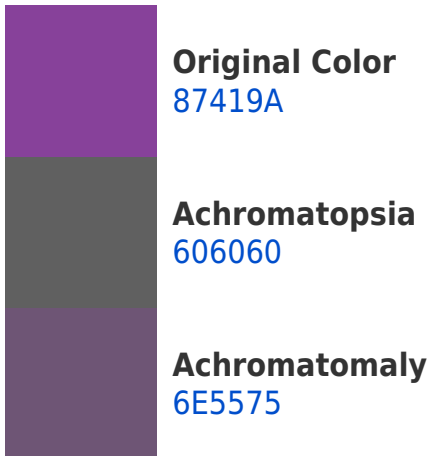


**Tritanopia**  
7E5359

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87419A 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 #87419A looks like.

```
.text, #text, p{  
    color:#87419A  
}
```

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 #87419A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87419A
}
```

## Border

The CSS property to change the border of an element to Hex 87419A is called "border". The border property can be set on classes, ids or directly on the HTML element.

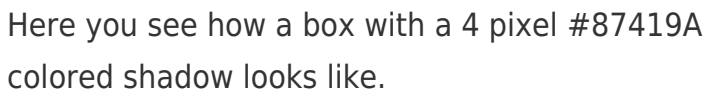
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87419A }
```

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

```
.border{ border-color:#87419A }
```

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



Here you see how a box with a 4 pixel #87419A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87419A; -webkit-box-shadow:4px 4px  
4px 4px #87419A; box-shadow:4px 4px 4px  
4px #87419A }
```

# Background

The CSS property to change the background color of an element to Hex 87419A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87419A }
```

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

```
.background{ background-color:#87419A }
```

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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