

# Converting Colors

Hex(87228F)

Have a look what the booklet for  
Hex(87228F) contains.

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# Color

**Hex(87228F)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 87228F                    |
| RGB           | 135, 34, 143              |
| RGB Percent   | 53%, 13%, 56%             |
| CMY           | 0.4706, 0.8667, 0.4392    |
| CMYK          | 0.06, 0.76, 0.00, 0.44    |
| HSL           | 296°, 62%, 35%            |
| HSV           | 296°, 76%, 56%            |
| XYZ           | 15.5216, 8.2781, 26.7664  |
| YIQ           | 76.6250, 25.2070, 55.3110 |

# Conversions

## Conversions Part 2

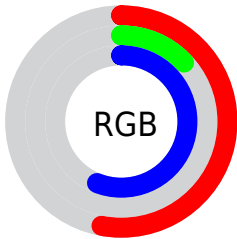
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 135, 34, 143                  |
| Decimal                             | 8856207                       |
| CIE <sub>Lab</sub>                  | 34.56, 55.39, -38.12          |
| CIE <sub>LCh</sub>                  | 35, 67.238, 325.460           |
| Yxy                                 | 8.2781, 0.3070,<br>0.1637     |
| Android<br>(android.graphics.Color) | 4287046287<br>(0xFF87228F)    |
| YUV                                 | 76.6250, 32.7229,<br>51.1949  |
| Hunter-Lab                          | 28.7717, 45.9458,<br>-35.0173 |

# Details

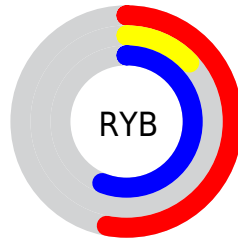
The Hex color **87228F** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **2A8F22**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **BF5AC5**, and **51005C** is the 20% darker color. If you saturate the color by 10%, you get **86148F**, and if you desaturate by 10%, it is **88308F**.

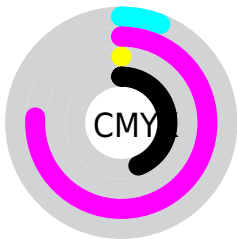
# Distribution



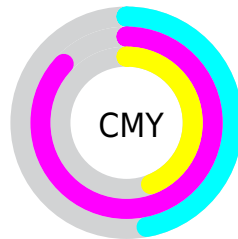
- Red (53%)
- Green (13%)
- Blue (56%)



- Red (53%)
- Yellow (13%)
- Blue (56%)



- Cyan (6%)
- Magenta (76%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (87%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87228F 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 87228F by changing the saturation by 10% instead.



 87228F

 87228F

FFFFFF

 6C0075

 BF5AC5

 51005C

 DC75E2

 370044

 FA91FE

 1E002D

 FFACFF

 000117

 FFC9FF

 000000

 FFE6FF

 87228F

 87228F

 86148F

 88308F

85058F

893F8F

85008F

8A4D8F

8B5B8F

8C6A8F

8D788F

8E868F

8F948F

90A38F

# Harmonies

## Analogous

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



2B47B4



87228F



A8005C

# Triad

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



87228F



6B4D00



00677E

# Complementary

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



87228F



2A8F22

# 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.



006647



87228F



385B00

# Square

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



87228F



913200



006306



0065AA

# Rectangle

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



87228F



AB0039



006306



00676D



# Sweetspot

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



87228F



B78FBA



222B8F



5C445E



DEDEDE



5E5E5E



# Same Dimension

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



87228F



AE11BA



8F2262



474047



7D0087



070008



# Inverse Universe

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



8F222A



BA111D



228F4F



474041



87000A



080001



# Previews

## White Background



This preview shows how the Hex color 87228F 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

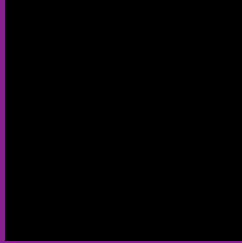
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87228F Background



This preview shows how black text looks on a background with the Hex color 87228F.

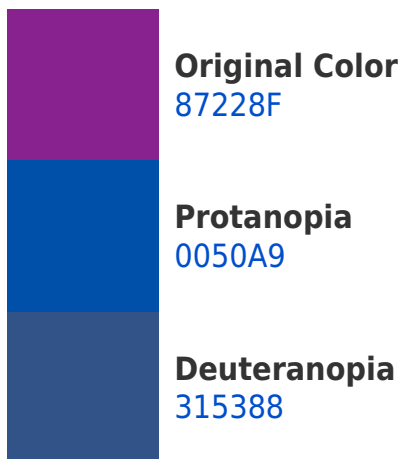


This preview shows how white text looks on a background with the Hex color 87228F.

# 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**  
7E3F43

# Trichromacy



**Original Color**  
87228F



**Protanomaly**  
313FA0



**Deuteranomaly**  
50418B



**Tritanomaly**  
81345F

# Monochromacy



**Original Color**  
87228F



**Achromatopsia**  
4D4D4D



**Achromatomaly**  
623D65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87228F 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 #87228F looks like.

```
.text, #text, p{  
    color:#87228F  
}
```

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 #87228F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87228F
}
```

## Border

The CSS property to change the border of an element to Hex 87228F is called "border". The border property can be set on classes, ids or directly on the HTML element.

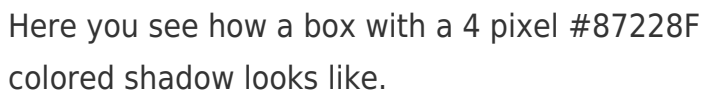
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87228F }
```

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

```
.border{ border-color:#87228F }
```

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



Here you see how a box with a 4 pixel #87228F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87228F; -webkit-box-shadow:4px 4px  
4px 4px #87228F; box-shadow:4px 4px 4px  
4px #87228F }
```

# Background

The CSS property to change the background color of an element to Hex 87228F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87228F }
```

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

```
.background{ background-color:#87228F }
```

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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