

# Converting Colors

Hex(87688A)

Have a look what the booklet for  
Hex(87688A) contains.

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# Color

**Hex(87688A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87688A
RGB	135, 104, 138
RGB Percent	53%, 41%, 54%
CMY	0.4706, 0.5922, 0.4588
CMYK	0.02, 0.25, 0.00, 0.46
HSL	295°, 14%, 47%
HSV	295°, 25%, 54%
XYZ	19.5294, 16.8865, 26.2749
YIQ	117.1450, 7.5620, 17.1460

# Conversions

## Conversions Part 2

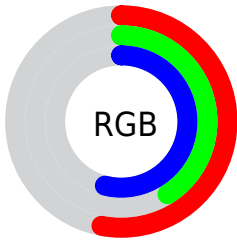
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 104, 138
Decimal	8874122
CIE <sub>Lab</sub>	48.12, 18.68, -13.97
CIE <sub>LCh</sub>	48, 23.325, 323.208
Yxy	16.8865, 0.3115, 0.2694
Android (android.graphics.Color)	4287064202 (0xFF87688A)
YUV	117.1450, 10.2815, 15.6588
Hunter-Lab	41.0932, 12.9186, -9.1446

# Details

The Hex color **87688A** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **6B8A68**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **BD9BBF**, and **553858** is the 20% darker color. If you saturate the color by 10%, you get **865A8A**, and if you desaturate by 10%, it is **88768A**.

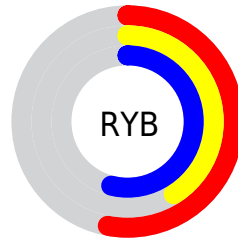
# Distribution



Red (53%)

Green (41%)

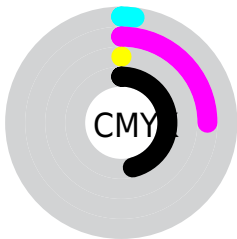
Blue (54%)



Red (53%)

Yellow (41%)

Blue (54%)

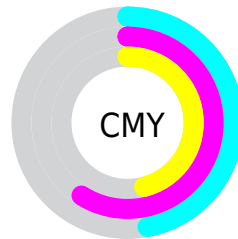


Cyan (2%)

Magenta (25%)

Yellow (0%)

Black (46%)



Cyan (47%)

Magenta (59%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87688A 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 87688A by changing the saturation by 10% instead.



 87688A

 87688A

FFFFFF

 6D5071

 BD9BBF

 553858

 D9B6DB

 3D2241

 F5D2F8

 270E2A

 FFEEFF

 0F0016

 000000

 87688A

 87688A

 865A8A

 88768A

 854C8A

 89848A

833F8A

8B918A

82318A

8C9F8A

81238A

8DAD8A

80158A

8EBB8A

7E078A

90C98A

7E008A

91D68A

92E48A

# Harmonies

## Analogous

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



6F6F96



87688A



966478

# Triad

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



87688A



846F4B



327D81

# Complementary

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



87688A



6B8A68

# 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.



437D6D



87688A



70764E

# Square

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



87688A



936953



597A5A



387A91

# Rectangle

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



87688A



99646A



597A5A



367D7A



# Sweetspot

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



87688A



B1A6B3



686B8A



595259



D9D9D9



595959



# Same Dimension

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



87688A



AE7DB3



8A687C



443E45



790085



050005



# Inverse Universe

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



8A686B



B37D82



688A76



453E3F



85000C

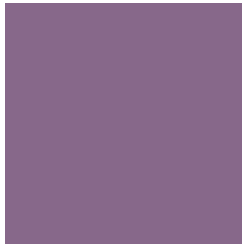


050000



# Previews

## White Background



This preview shows how the Hex color 87688A 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

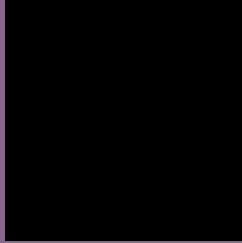
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87688A Background



This preview shows how black text looks on a background with the Hex color 87688A.



This preview shows how white text looks on a background with the Hex color 87688A.

# 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**  
846C74

# Trichromacy



**Original Color**  
87688A

**Protanomaly**  
756E8E

**Deuteranomaly**  
7A6D89

**Tritanomaly**  
856B7C

# Monochromacy



**Original Color**  
87688A

**Achromatopsia**  
757575

**Achromatomaly**  
7C707D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87688A 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 #87688A looks like.

```
.text, #text, p{  
    color:#87688A  
}
```

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 #87688A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87688A
}
```

## Border

The CSS property to change the border of an element to Hex 87688A is called "border". The border property can be set on classes, ids or directly on the HTML element.

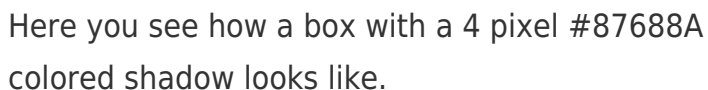
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87688A }
```

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

```
.border{ border-color:#87688A }
```

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



Here you see how a box with a 4 pixel #87688A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87688A; -webkit-box-shadow:4px 4px  
4px 4px #87688A; box-shadow:4px 4px 4px  
4px #87688A }
```

# Background

The CSS property to change the background color of an element to Hex 87688A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87688A }
```

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

```
.background{ background-color:#87688A }
```

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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