

# Converting Colors

Hex(87676B)

Have a look what the booklet for  
Hex(87676B) contains.

<b>Hex(87676B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(87676B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87676B
RGB	135, 103, 107
RGB Percent	53%, 40%, 42%
CMY	0.4706, 0.5961, 0.5804
CMYK	0.00, 0.24, 0.21, 0.47
HSL	352°, 13%, 47%
HSV	352°, 24%, 53%
XYZ	17.4958, 15.9129, 16.0593
YIQ	113.0240, 17.7880, 8.0280

# Conversions

## Conversions Part 2

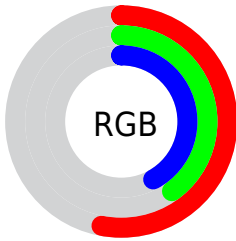
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 103, 107
Decimal	8873835
CIE <sub>Lab</sub>	46.86, 13.48, 2.71
CIE <sub>LCh</sub>	47, 13.746, 11.367
Yxy	15.9129, 0.3537, 0.3217
Android (android.graphics.Color)	4287063915 (0xFF87676B)
YUV	113.0240, -2.9698, 19.2730
Hunter-Lab	39.8910, 8.4789, 4.0548

# Details

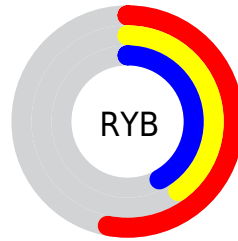
The Hex color **87676B** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **678783**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **BD9A9E**, and **55383C** is the 20% darker color. If you saturate the color by 10%, you get **875A5F**, and if you desaturate by 10%, it is **877577**.

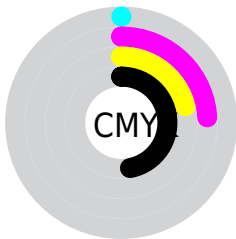
# Distribution



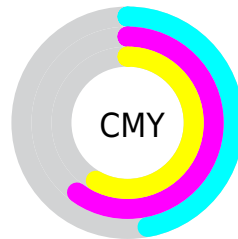
- Red (53%)
- Green (40%)
- Blue (42%)



- Red (53%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (24%)
- Yellow (21%)
- Black (47%)



- Cyan (47%)
- Magenta (60%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87676B 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 87676B by changing the saturation by 10% instead.



 87676B

 87676B

FFFFFF

 6D4F53

 BD9A9E

 55383C

 D9B5B9

 3D2226

 F5D1D5

 260D11

 FFEDF1

 000000

 87676B

 87676B


 875A5F

 877577

 874C53

 878283

 873F48

 87908E

■ 87313C

■ 879D9A

■ 872430

■ 87ABA6

■ 871624

■ 87B8B2

■ 870918

■ 87C6BE

■ 870011

■ 87D3CA

■ 87E1D5

# Harmonies

## Analogous

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



826877



87676B



866960

# Triad

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



87676B



66735E



597285

# Complementary

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



87676B



678783

# 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.



51757E



87676B



5A7567

# Square

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



87676B



737058



517673



686F86

# Rectangle

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



87676B



826B5B



517673



567383



# Sweetspot

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



87676B



B0A4A5



836787



595253



D9D9D9



595959



# Same Dimension

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



87676B



B07F85



877367



423C3C



820010



030000



# Inverse Universe

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



87676B



B07F85



677B87



423C3C



820010



030000



# Previews

## White Background



This preview shows how the Hex color 87676B looks on a white background.

## Color Contrast Check

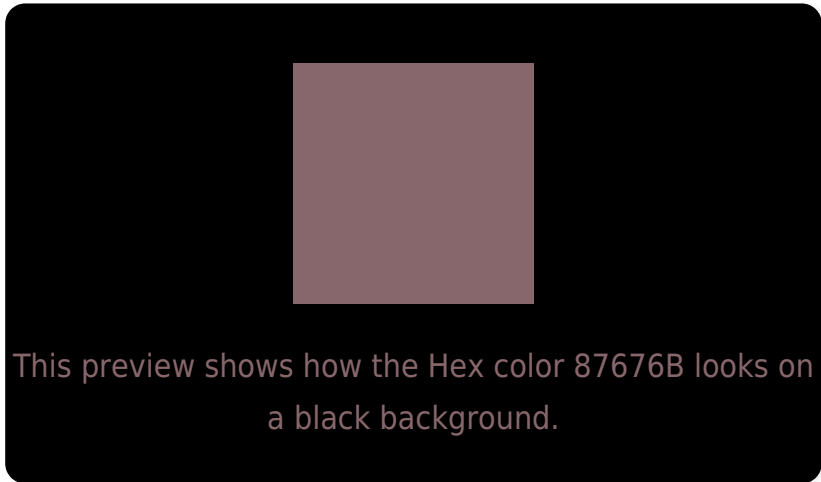
Large Text (above 18pt) WCAG AA ✓ Pass

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

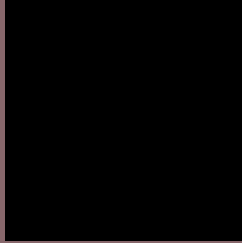
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87676B Background



This preview shows how black text looks on a background with the Hex color 87676B.



This preview shows how white text looks on a background with the Hex color 87676B.

# 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**  
87676B

**Protanopia**  
716F6F

**Deuteranopia**  
7C6C6A



**Tritanopia**  
87666E

# Trichromacy



**Original Color**  
87676B

**Protanomaly**  
796C6E

**Deuteranomaly**  
806A6A

**Tritanomaly**  
87666D

# Monochromacy



**Original Color**  
87676B

**Achromatopsia**  
717171

**Achromatomaly**  
796D6F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87676B 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 #87676B looks like.

```
.text, #text, p{  
    color:#87676B  
}
```

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 #87676B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87676B
}
```

## Border

The CSS property to change the border of an element to Hex 87676B is called "border". The border property can be set on classes, ids or directly on the HTML element.

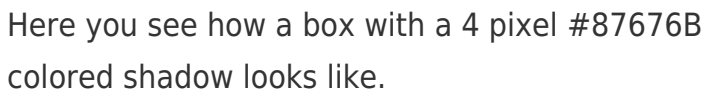
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87676B }
```

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

```
.border{ border-color:#87676B }
```

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



Here you see how a box with a 4 pixel `#87676B` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87676B; -webkit-box-shadow:4px 4px  
4px 4px #87676B; box-shadow:4px 4px 4px  
4px #87676B }
```

# Background

The CSS property to change the background color of an element to Hex 87676B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87676B }
```

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

```
.background{ background-color:#87676B }
```

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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