

# Converting Colors

Hex(87A785)

Have a look what the booklet for  
Hex(87A785) contains.

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# **Color**

**Hex(87A785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A785
RGB	135, 167, 133
RGB Percent	53%, 65%, 52%
CMY	0.4706, 0.3451, 0.4784
CMYK	0.19, 0.00, 0.20, 0.35
HSL	116°, 16%, 59%
HSV	116°, 20%, 65%
XYZ	28.0440, 34.4818, 27.3679
YIQ	153.5560, -8.1580, -17.3580

# Conversions

## Conversions Part 2

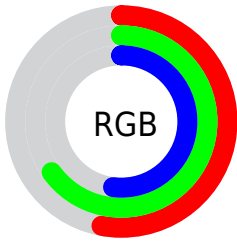
Format	Color
<a href="#">RYB</a>	<a href="#">133, 167, 165</a>
Decimal	<a href="#">8890245</a>
CIELab	<a href="#">65.34, -17.75, 14.03</a>
CIELCh	<a href="#">65, 22.624, 141.680</a>
Yxy	<a href="#">34.4818, 0.3120, 0.3836</a>
Android (android.graphics.Color)	<a href="#">4287080325 (0xFF87A785)</a>
YUV	<a href="#">153.5560, -10.1341, -16.2736</a>
Hunter-Lab	<a href="#">58.7212, -17.5142, 13.4719</a>

# Details

The Hex color **87A785** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A585A7**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **BDDEBA**, and **557353** is the 20% darker color. If you saturate the color by 10%, you get **77A774**, and if you desaturate by 10%, it is **97A796**.

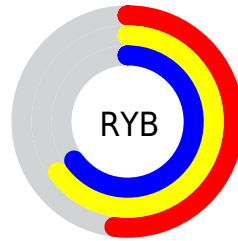
# Distribution



Red (53%)

Green (65%)

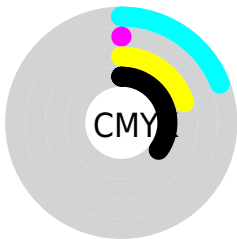
Blue (52%)



Red (52%)

Yellow (65%)

Blue (65%)

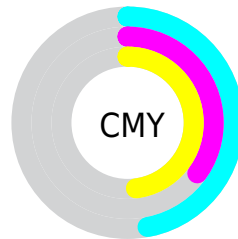


Cyan (19%)

Magenta (0%)

Yellow (20%)

Black (35%)



Cyan (47%)

Magenta (35%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A785 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 87A785 by changing the saturation by 10% instead.





87A785



87A785

FFFFFF



6D8D6C



BDDEBA



557353



D9FBD6



3D5A3C



F5FFF2



264326



102C12



001900



000000



87A785



87A785



77A774



97A796

 68A764

 A6A7A6

 58A753

 B6A7B7

 48A742

 C6A7C8

 38A732

 D6A7D8

 29A721

 E5A7E9

 19A710

 F5A7FA

 0AA700

 FFA7FF

# Harmonies

## Analogous

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



9EA279



87A785



72AA98

# Triad

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



87A785



7FA2C6



C89191

# Complementary

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



87A785



A585A7

# 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.



C391A5



87A785



9A9BC4

# Square

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



87A785



69A7BE



B395B8



C29580

# Rectangle

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



87A785



67AAA6



B395B8



C89097



# Sweetspot

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



87A785



CDD9CC



A7A585



666E66



EDEDED



6E6E6E



# Same Dimension

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



87A785



A8D9A5



85A794



4C544C



099400



011400



# Inverse Universe

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



A585A7



D6A5D9



A78598



544C54



8B0094



130014



# Previews

## White Background



This preview shows how the Hex color 87A785 looks on a white background.

## Color Contrast Check

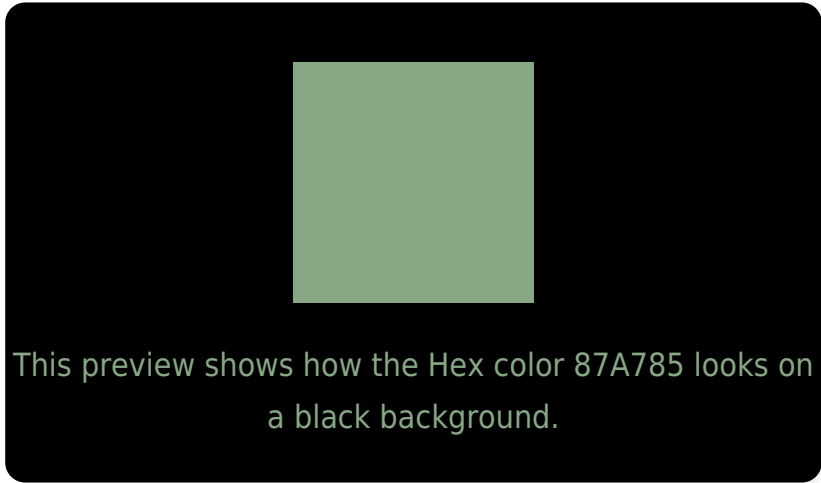
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

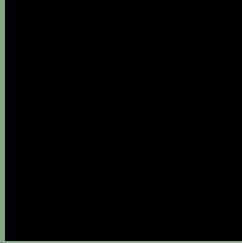
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87A785 Background



This preview shows how black text looks on a background with the Hex color 87A785.

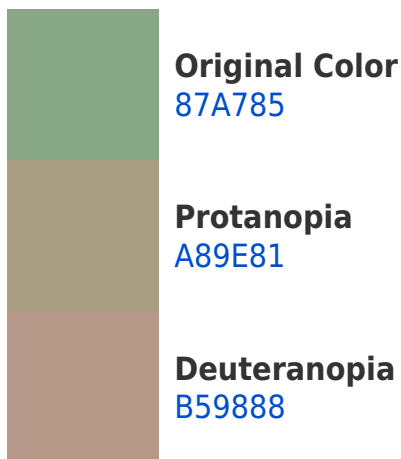


This preview shows how white text looks on a background with the Hex color 87A785.

# 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**  
8EA1AE

# Trichromacy



**Original Color**  
87A785

**Protanomaly**  
9CA182

**Deuteranomaly**  
A49D87

**Tritanomaly**  
8BA39F

# Monochromacy



**Original Color**  
87A785

**Achromatopsia**  
9A9A9A

**Achromatomaly**  
939F92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A785 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 #87A785 looks like.

```
.text, #text, p{  
    color:#87A785  
}
```

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 #87A785 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A785
}
```

## Border

The CSS property to change the border of an element to Hex 87A785 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
#87A785 }
```

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

```
.border{ border-color:#87A785 }
```

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

Here you see how a box with a 4 pixel #87A785 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A785; -webkit-box-shadow:4px 4px  
4px 4px #87A785; box-shadow:4px 4px 4px  
4px #87A785 }
```

# Background

The CSS property to change the background color of an element to Hex 87A785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A785 }
```

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

```
.background{ background-color:#87A785 }
```

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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