

# Converting Colors

Hex(87A665)

Have a look what the booklet for  
Hex(87A665) contains.

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**Color**

**Hex(87A665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87A665
RGB	135, 166, 101
RGB Percent	53%, 65%, 40%
CMY	0.4706, 0.3490, 0.6039
CMYK	0.19, 0.00, 0.39, 0.35
HSL	89°, 27%, 52%
HSV	89°, 39%, 65%
XYZ	25.9769, 33.3629, 17.3825
YIQ	149.3210, 2.3890, -26.7870

# Conversions

## Conversions Part 2

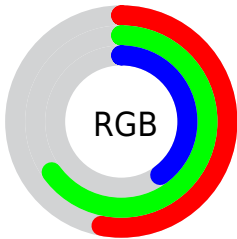
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 166, 132
Decimal	8889957
CIELab	64.45, -22.30, 30.22
CIElCh	64, 37.558, 126.433
Yxy	33.3629, 0.3386, 0.4349
Android (android.graphics.Color)	4287080037 (0xFF87A665)
YUV	149.3210, -23.8223, -12.5595
Hunter-Lab	57.7606, -20.8038, 22.5897

# Details

The Hex color **87A665** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8465A6**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **BDDD99**, and **547235** is the 20% darker color. If you saturate the color by 10%, you get **7FA654**, and if you desaturate by 10%, it is **8FA676**.

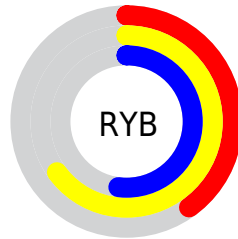
# Distribution



Red (53%)

Green (65%)

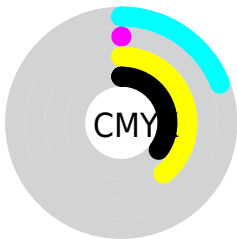
Blue (40%)



Red (40%)

Yellow (65%)

Blue (52%)

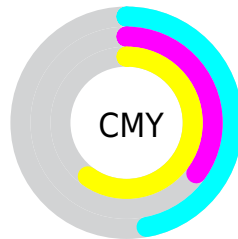


Cyan (19%)

Magenta (0%)

Yellow (39%)

Black (35%)



Cyan (47%)

Magenta (35%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A665 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 87A665 by changing the saturation by 10% instead.





87A665



87A665

FFFFFF



6D8C4C



BDDD99



547235



D9FAB4



3B591E



F6FFD0



244205



FFF FEC



0D2B00



001800



000000



87A665



87A665



7FA654



8FA676

 77A644

 97A686

 6FA633

 9FA697

 67A623

 A7A6A7

 5FA612

 AFA6B8

 57A601

 B7A6C9

 57A600

 BEA6D9

 C6A6EA

 CEA6FA

# Harmonies

## Analogous

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



AB9D59



87A665



5DAC80

# Triad

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



87A665



34A7D9



DC8296

# Complementary

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



87A665



8465A6

# 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.



CC86B8



87A665



769DDF

# Square

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



87A665



00ADC3



A991D2



DA8676

# Rectangle

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



87A665



3BAE97



A991D2



D982A2



# Sweetspot

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



87A665



CCD9BF



A68365



666E5E



EDEDED



6E6E6E



# Same Dimension

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



87A665



A8D973



67A665



50544C



4D9400



0B1400



# Inverse Universe

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



8465A6



A373D9



A465A6



504C54



470094



0A0014



# Previews

## White Background



This preview shows how the Hex color 87A665 looks on a white background.

## Color Contrast Check

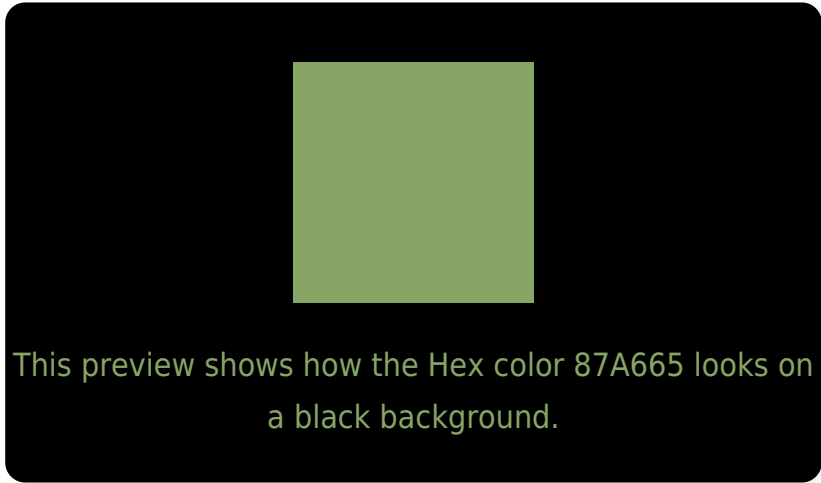
Large Text (above 18pt) WCAG AA × Fail

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

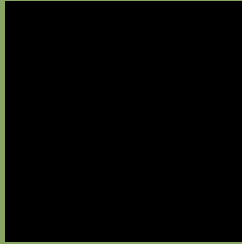
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87A665 Background



This preview shows how black text looks on a background with the Hex color 87A665.



This preview shows how white text looks on a background with the Hex color 87A665.

# 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



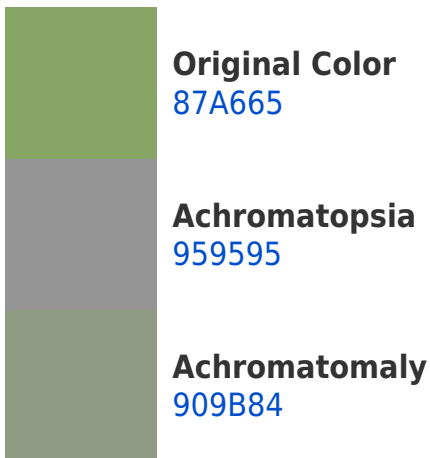


**Tritanopia**  
919EAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A665 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 #87A665 looks like.

```
.text, #text, p{  
    color:#87A665  
}
```

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 #87A665 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A665
}
```

## Border

The CSS property to change the border of an element to Hex 87A665 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
#87A665 }
```

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

```
.border{ border-color:#87A665 }
```

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

Here you see how a box with a 4 pixel #87A665 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A665; -webkit-box-shadow:4px 4px  
4px 4px #87A665; box-shadow:4px 4px 4px  
4px #87A665 }
```

# Background

The CSS property to change the background color of an element to Hex 87A665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A665 }
```

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

```
.background{ background-color:#87A665 }
```

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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