

Converting Colors

Hex(87AA69)

Have a look what the booklet for
Hex(87AA69) contains.

Hex(87AA69)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(87AA69)

Conversions

Conversions Part 1

Format	Color
Hex	87AA69
RGB	135, 170, 105
RGB Percent	53%, 67%, 41%
CMY	0.4706, 0.3333, 0.5882
CMYK	0.21, 0.00, 0.38, 0.33
HSL	92°, 28%, 54%
HSV	92°, 38%, 67%
XYZ	26.9162, 34.9203, 18.6863
YIQ	152.1250, 0.0050, -27.6350

Conversions

Conversions Part 2

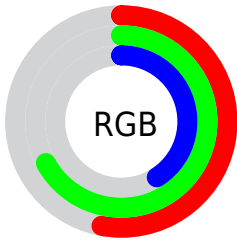
Format	Color
RYB	105, 170, 140
Decimal	8890985
CIELab	65.69, -23.75, 29.70
CIELCh	66, 38.027, 128.657
Yxy	34.9203, 0.3343, 0.4337
Android (android.graphics.Color)	4287081065 (0xFF87AA69)
YUV	152.1250, -23.2326, -15.0186
Hunter-Lab	59.0934, -22.1092, 22.6169

Details

The Hex color **87AA69** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8C69AA**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **BDE19D**, and **547638** is the 20% darker color. If you saturate the color by 10%, you get **7EAA58**, and if you desaturate by 10%, it is **90AA7A**.

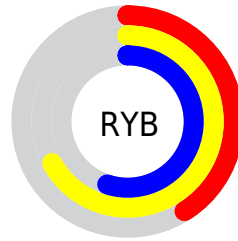
Distribution



Red (53%)

Green (67%)

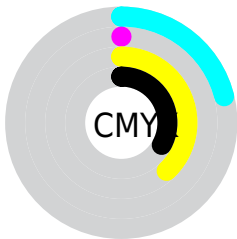
Blue (41%)



Red (41%)

Yellow (67%)

Blue (55%)

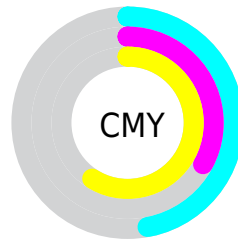


Cyan (21%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87AA69 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 87AA69 by changing the saturation by 10% instead.



87AA69



87AA69

FFFFFF



6D8F50



BDE19D



547638



D9FEB8



3B5D21



F6FFD4



23450A



FFFFFF0



0D2E00



001C00



000000



87AA69



87AA69



7EAA58



90AA7A

 75AA47

 99AA8B

 6CAA36

 A2AA9C

 62AA25

 ACAAAD

 59AA14

 B5AABE

 50AA03

 BEAACF

 4EAA00

 C7AAE0

 D0AAF1

 D9AAFF

Harmonies

Analogous

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



ACA15B



87AA69



5CB086

Triad

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



87AA69



3CAADE



E18597

Complementary

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



87AA69



8C69AA

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.



D288B9



87AA69



7DA0E3

Square

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



87AA69



00B0C9



B093D5



DD8A77

Rectangle

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



87AA69



39B19D



B093D5



DE85A2

Sweetspot

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



87AA69



D1DEC5



AA8C69



687062



F0F0F0



707070

Same Dimension

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



87AA69



A7DE78



69AA6B



50544C



449400



091400

Inverse Universe

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



8C69AA



AF78DE



AA69A8



504C54



500094



0B0014

Previews

White Background



This preview shows how the Hex color 87AA69 looks on a white background.

Color Contrast Check

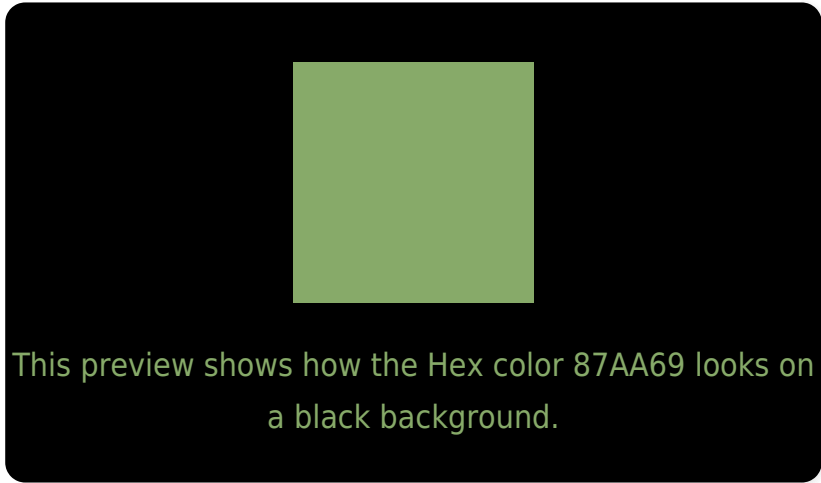
Large Text (above 18pt) WCAG AA × Fail

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 87AA69 Background



This preview shows how black text looks on a background with the Hex color 87AA69.



This preview shows how white text looks on a background with the Hex color 87AA69.

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
87AA69

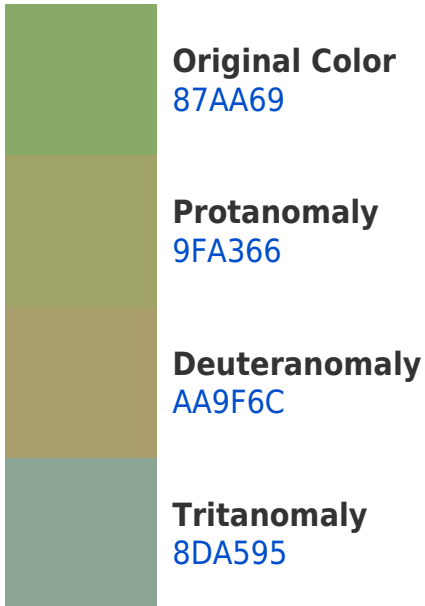
Protanopia
AD9F65

Deuteranopia
BE986D

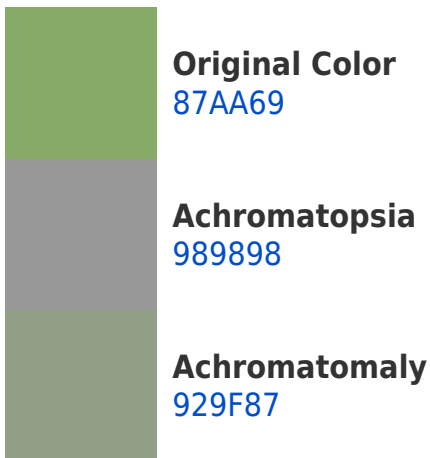


Tritanopia
91A2AE

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87AA69 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 #87AA69 looks like.

```
.text, #text, p{  
    color:#87AA69  
}
```

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 #87AA69 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87AA69
}
```

Border

The CSS property to change the border of an element to Hex 87AA69 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
#87AA69 }
```

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

```
.border{ border-color:#87AA69 }
```

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

Here you see how a box with a 4 pixel #87AA69 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87AA69; -webkit-box-shadow:4px 4px  
4px 4px #87AA69; box-shadow:4px 4px 4px  
4px #87AA69 }
```

Background

The CSS property to change the background color of an element to Hex 87AA69 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87AA69 }
```

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

```
.background{ background-color:#87AA69 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor