

# Converting Colors

Hex(85AA77)

Have a look what the booklet for  
Hex(85AA77) contains.

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**Color**

**Hex(85AA77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85AA77
RGB	133, 170, 119
RGB Percent	52%, 67%, 47%
CMY	0.4784, 0.3333, 0.5333
CMYK	0.22, 0.00, 0.30, 0.33
HSL	104°, 23%, 57%
HSV	104°, 30%, 67%
XYZ	27.3774, 35.0679, 22.7786
YIQ	153.1230, -5.6810, -23.7050

# Conversions

## Conversions Part 2

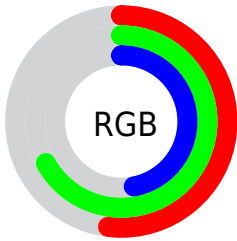
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 170, 156</a>
Decimal	<a href="#">8759927</a>
CIELab	<a href="#">65.80, -22.38, 22.31</a>
CIELCh	<a href="#">66, 31.603, 135.096</a>
Yxy	<a href="#">35.0679, 0.3212, 0.4115</a>
Android (android.graphics.Color)	<a href="#">4286950007 (0xFF85AA77)</a>
YUV	<a href="#">153.1230, -16.8226, -17.6479</a>
Hunter-Lab	<a href="#">59.2182, -21.1088, 18.6465</a>

# Details

The Hex color **85AA77** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9C77AA**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **BBE1AC**, and **527646** is the 20% darker color. If you saturate the color by 10%, you get **79AA66**, and if you desaturate by 10%, it is **91AA88**.

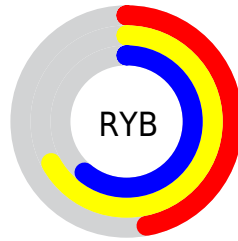
# Distribution



Red (52%)

Green (67%)

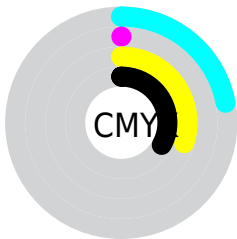
Blue (47%)



Red (47%)

Yellow (67%)

Blue (61%)

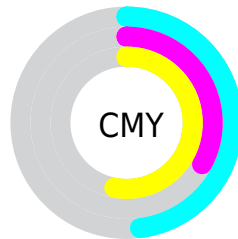


Cyan (22%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 85AA77 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 85AA77 by changing the saturation by 10% instead.





85AA77



85AA77

FFFFFF



6B8F5E



BBE1AC



527646



D7FEC7



3A5D2F



F4FFE3



234519



0C2E00



001C00



000000



85AA77



85AA77



79AA66



91AA88

 6CAA55

 9EAA99

 60AA44

 AAAAAA

 54AA33

 B6AABB

 47AA22

 C3AACC

 3BAA11

 CFAADD

 2FAA00

 DBAAEE

 E8AAFF

 F4AAFF

# Harmonies

## Analogous

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



A5A369



85AA77



63AE90

# Triad

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



85AA77



63A7D6



D88B92

# Complementary

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



85AA77



9C77AA

# 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.



CF8CAF



85AA77



8F9ED6

# Square

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



85AA77



41ADC7



B594C8



D29079

# Rectangle

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



85AA77



4DAFA4



B594C8



D78A9C



# Sweetspot

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



85AA77



CFDECA



AA9C77



677064



F0F0F0



707070



# Same Dimension

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



85AA77



A4DE8E



77AA82



4E544C



299400



061400



# Inverse Universe

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



9C77AA



C88EDE



AA779F



524C54



6B0094



0F0014



# Previews

## White Background



This preview shows how the Hex color 85AA77 looks on a white background.

## Color Contrast Check

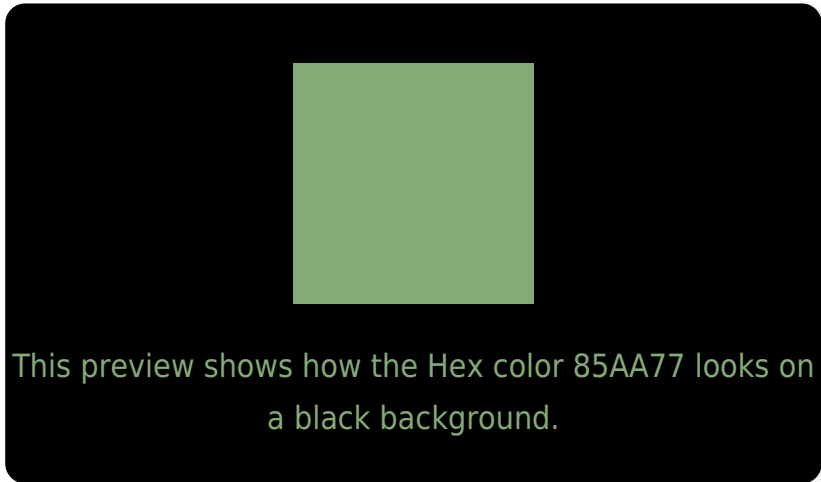
Large Text (above 18pt) WCAG AA × Fail

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

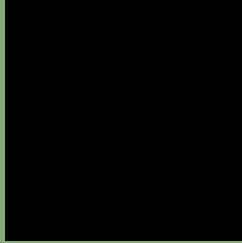
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 85AA77 Background



This preview shows how black text looks on a background with the Hex color 85AA77.



This preview shows how white text looks on a background with the Hex color 85AA77.

# 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**  
85AA77

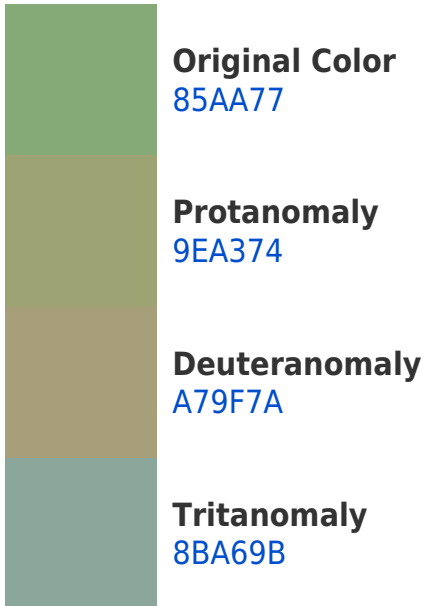
**Protanopia**  
AC9F72

**Deuteranopia**  
BB997B

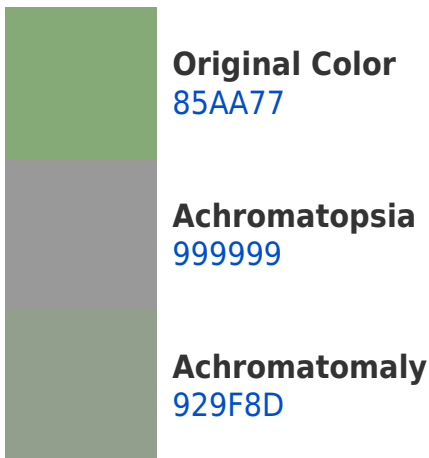


**Tritanopia**  
8EA3B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 85AA77 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 #85AA77 looks like.

```
.text, #text, p{  
    color:#85AA77  
}
```

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 #85AA77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #85AA77  
}
```

## Border

The CSS property to change the border of an element to Hex 85AA77 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  
#85AA77 }
```

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

```
.border{ border-color:#85AA77 }
```

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

Here you see how a box with a 4 pixel #85AA77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #85AA77; -webkit-box-shadow:4px 4px  
4px 4px #85AA77; box-shadow:4px 4px 4px  
4px #85AA77 }
```

# Background

The CSS property to change the background color of an element to Hex 85AA77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#85AA77 }
```

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

```
.background{ background-color:#85AA77 }
```

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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