

# Converting Colors

Hex(83B86A)

Have a look what the booklet for  
Hex(83B86A) contains.

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**Color**

**Hex(83B86A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83B86A
RGB	131, 184, 106
RGB Percent	51%, 72%, 42%
CMY	0.4863, 0.2784, 0.5843
CMYK	0.29, 0.00, 0.42, 0.28
HSL	101°, 35%, 57%
HSV	101°, 42%, 72%
XYZ	29.1021, 40.1469, 19.8510
YIQ	159.2610, -6.5500, -35.4940

# Conversions

## Conversions Part 2

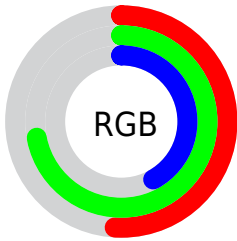
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">106, 184, 159</a>
Decimal	<a href="#">8632426</a>
CIELab	<a href="#">69.57, -31.85, 34.14</a>
CIELCh	<a href="#">70, 46.688, 133.018</a>
Yxy	<a href="#">40.1469, 0.3266, 0.4506</a>
Android (android.graphics.Color)	<a href="#">4286822506 (0xFF83B86A)</a>
YUV	<a href="#">159.2610, -26.2577, -24.7849</a>
Hunter-Lab	<a href="#">63.3616, -28.8974, 25.7778</a>

# Details

The Hex color **83B86A** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **9F6AB8**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **BAF09E**, and **4F8339** is the 20% darker color. If you saturate the color by 10%, you get **76B858**, and if you desaturate by 10%, it is **90B87C**.

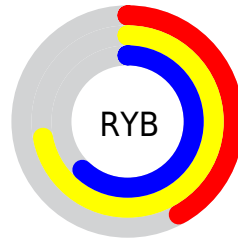
# Distribution



Red (51%)

Green (72%)

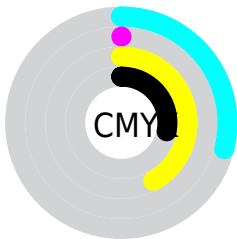
Blue (42%)



Red (42%)

Yellow (72%)

Blue (62%)

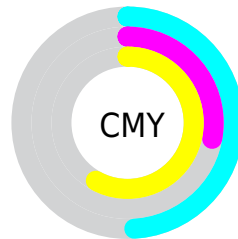


Cyan (29%)

Magenta (0%)

Yellow (42%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B86A 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 83B86A by changing the saturation by 10% instead.



 83B86A

 83B86A

FFFFFF

 699D51

 BAF09E

 4F8339

 D6FFBA

 356921

 F3FFD6

 1B5107

 FFFFF2

 003900

 002400

 000000

 83B86A

 83B86A

 76B858

 90B87C

 6AB845

 9CB88F

 5DB833

 A9B8A1

 51B820

 B5B8B4

 44B80E

 C2B8C6

 3BB800

 CEB8D8

 DBB8EB

 E7B8FD

 F4B8FF

# Harmonies

## Analogous

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



B2AD55



83B86A



45BE90

# Triad

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



83B86A



11B5FA



FB8799

# Complementary

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



83B86A



9F6AB8

# 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.



EC8AC4



83B86A



86A8FC

# Square

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



83B86A



00BDE3



C598E8



F29072

# Rectangle

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



83B86A



00C0AD



C598E8



F887A7



# Sweetspot

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



83B86A



DBF0D1



B89E6A



6B7865



F7F7F7



787878



# Same Dimension

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



83B86A



9DF075



6AB877



565C53



329C00



091C00



# Inverse Universe

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



9F6AB8



C975F0



B86AAB



59535C



6A009C



13001C



# Previews

## White Background



This preview shows how the Hex color 83B86A looks on a white background.

## Color Contrast Check

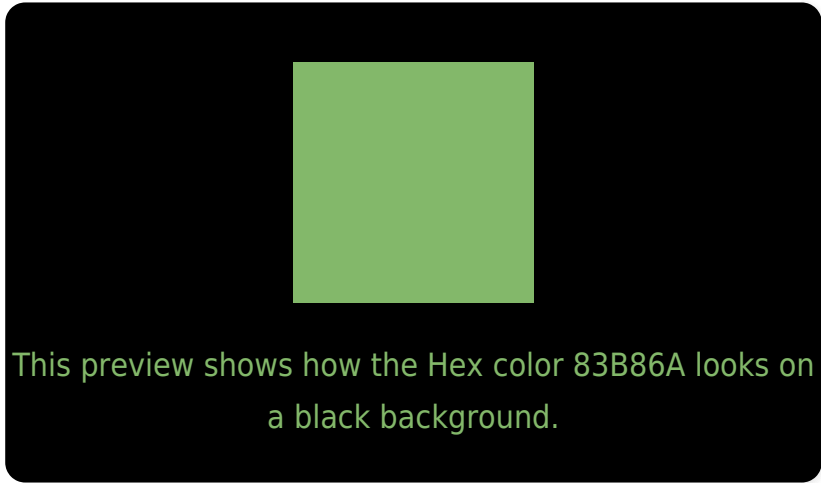
Large Text (above 18pt) WCAG AA × Fail

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 83B86A Background



This preview shows how black text looks on a background with the Hex color 83B86A.

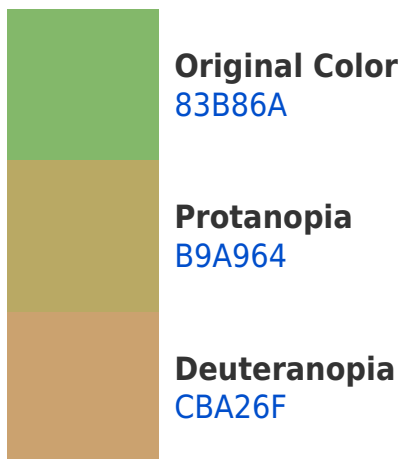


This preview shows how white text looks on a background with the Hex color 83B86A.

# 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](#).

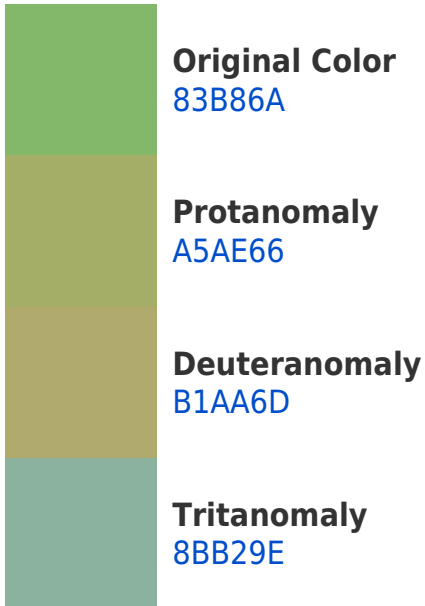
## Dichromacy



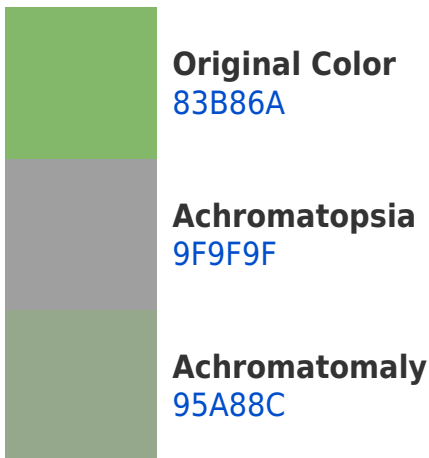


**Tritanopia**  
90AEB3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B86A 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 #83B86A looks like.

```
.text, #text, p{  
    color:#83B86A  
}
```

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 #83B86A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B86A
}
```

## Border

The CSS property to change the border of an element to Hex 83B86A 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
#83B86A }
```

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

```
.border{ border-color:#83B86A }
```

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

Here you see how a box with a 4 pixel #83B86A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B86A; -webkit-box-shadow:4px 4px  
4px 4px #83B86A; box-shadow:4px 4px 4px  
4px #83B86A }
```

# Background

The CSS property to change the background color of an element to Hex 83B86A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B86A }
```

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

```
.background{ background-color:#83B86A }
```

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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