

# Converting Colors

Hex(89BC71)

Have a look what the booklet for  
Hex(89BC71) contains.

<b>Hex(89BC71)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(89BC71)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89BC71
RGB	137, 188, 113
RGB Percent	54%, 74%, 44%
CMY	0.4627, 0.2627, 0.5569
CMYK	0.27, 0.00, 0.40, 0.26
HSL	101°, 36%, 59%
HSV	101°, 40%, 74%
XYZ	31.2804, 42.4771, 22.1730
YIQ	164.2010, -6.3210, -34.1370

# Conversions

## Conversions Part 2

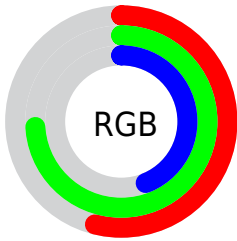
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 188, 164
Decimal	9026673
CIELab	71.20, -30.65, 32.68
CIElCh	71, 44.800, 133.165
Yxy	42.4771, 0.3261, 0.4428
Android (android.graphics.Color)	4287216753 (0xFF89BC71)
YUV	164.2010, -25.2421, -23.8553
Hunter-Lab	65.1744, -28.3844, 25.4510

# Details

The Hex color **89BC71** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **A471BC**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **C0F4A6**, and **558640** is the 20% darker color. If you saturate the color by 10%, you get **7CBC5E**, and if you desaturate by 10%, it is **96BC84**.

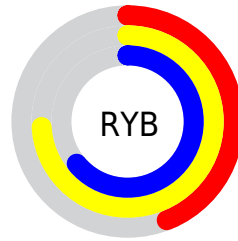
# Distribution



Red (54%)

Green (74%)

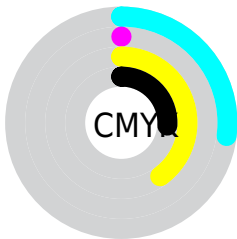
Blue (44%)



Red (44%)

Yellow (74%)

Blue (64%)

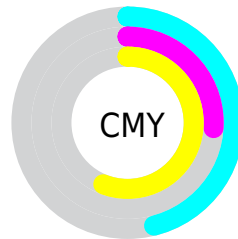


Cyan (27%)

Magenta (0%)

Yellow (40%)

Black (26%)



Cyan (46%)

Magenta (26%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 89BC71 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 89BC71 by changing the saturation by 10% instead.





89BC71



89BC71

FFFFFF



6FA158



C0F4A6



558640



DCFFC1



3B6D28



F9FFDD



225410



FFFFFFA



063C00



002700



000800



000000



89BC71



89BC71

 7CBC5E

 96BC84

 6FBC4B

 A3BC97

 63BC39

 AFBCA9

 56BC26

 BCBCBC

 49BC13

 C9BCCF

 3CBC00

 D6BCE2

 E2BCF5

 EFBCFF

 FCBCFF

# Harmonies

## Analogous

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



B6B25D



89BC71



50C295

# Triad

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



89BC71



34B9FC



FD8E9E

# Complementary

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



89BC71



A471BC

# 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.



EF90C7



89BC71



8EACFE

# Square

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



89BC71



00C1E5



C99DEA



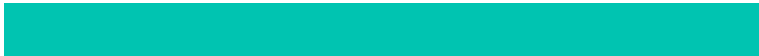
F59678

# Rectangle

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



89BC71



00C4B1



C99DEA



FB8DAC



# Sweetspot

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



89BC71



E1F5D7



BCA371



6F7A69



FAFAFA



7A7A7A



# Same Dimension

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



89BC71



A5F57F



71BC7E



585E55



339E00



0A1F00



# Inverse Universe

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



A471BC



CF7FF5



BC71AF



5B555E



6C009E



15001F



# Previews

## White Background



This preview shows how the Hex color 89BC71 looks on a white background.

## Color Contrast Check

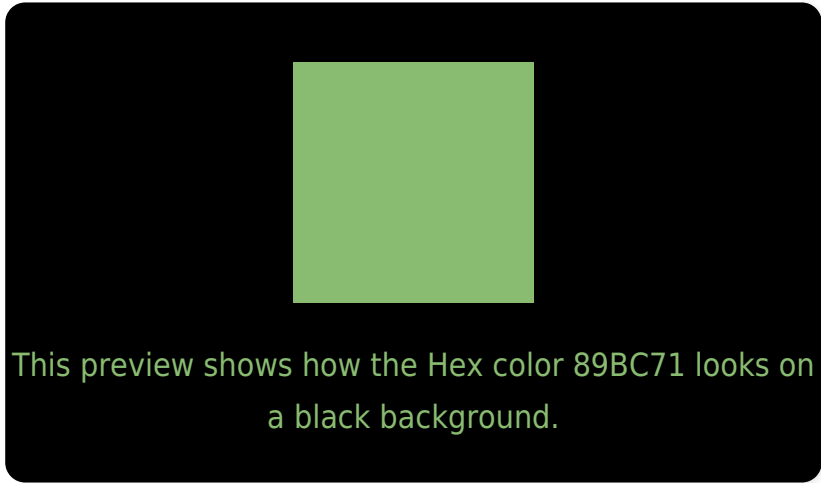
Large Text (above 18pt) WCAG AA × Fail

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 89BC71 Background



This preview shows how black text looks on a background with the Hex color 89BC71.

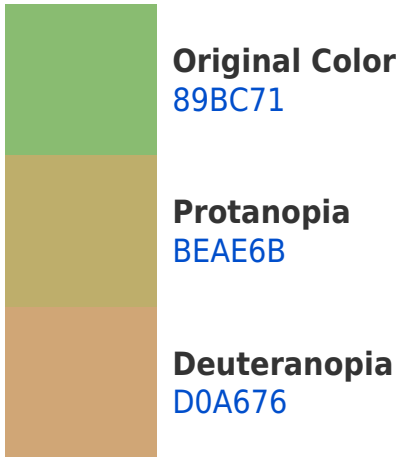


This preview shows how white text looks on a background with the Hex color 89BC71.

# 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](#).

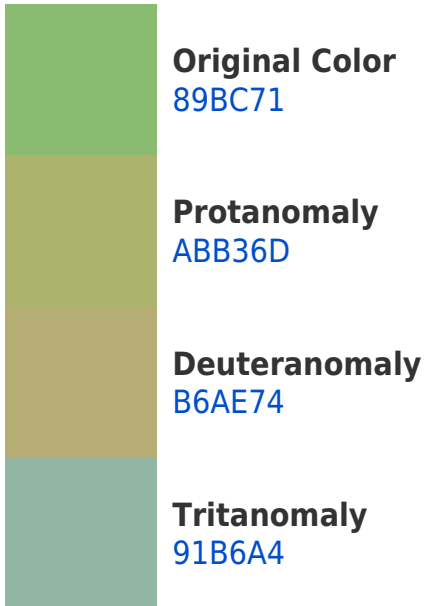
## Dichromacy



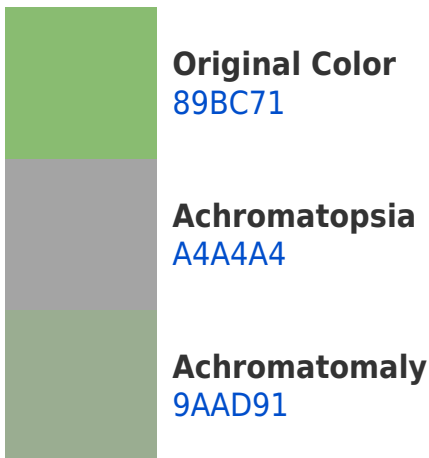


**Tritanopia**  
96B3C1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 89BC71 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 #89BC71 looks like.

```
.text, #text, p{  
    color:#89BC71  
}
```

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 #89BC71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89BC71
}
```

## Border

The CSS property to change the border of an element to Hex 89BC71 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
#89BC71 }
```

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

```
.border{ border-color:#89BC71 }
```

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

Here you see how a box with a 4 pixel #89BC71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89BC71; -webkit-box-shadow:4px 4px  
4px 4px #89BC71; box-shadow:4px 4px 4px  
4px #89BC71 }
```

# Background

The CSS property to change the background color of an element to Hex 89BC71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89BC71 }
```

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

```
.background{ background-color:#89BC71 }
```

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