

# Converting Colors

Hex(86C64E)

Have a look what the booklet for  
Hex(86C64E) contains.

<b>Hex(86C64E)</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(86C64E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86C64E
RGB	134, 198, 78
RGB Percent	53%, 78%, 31%
CMY	0.4745, 0.2235, 0.6941
CMYK	0.32, 0.00, 0.61, 0.22
HSL	92°, 51%, 54%
HSV	92°, 61%, 78%
XYZ	31.4007, 46.0066, 14.4329
YIQ	165.1840, 0.3760, -50.8880

# Conversions

## Conversions Part 2

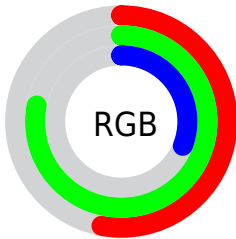
Format	Color
<a href="#">RYB</a>	<a href="#">78, 198, 142</a>
Decimal	<a href="#">8832590</a>
CIELab	<a href="#">73.55, -40.34, 52.42</a>
CIELCh	<a href="#">74, 66.146, 127.580</a>
Yxy	<a href="#">46.0066, 0.3419, 0.5009</a>
Android (android.graphics.Color)	<a href="#">4287022670 (0xFF86C64E)</a>
YUV	<a href="#">165.1840, -42.9817, -27.3484</a>
Hunter-Lab	<a href="#">67.8281, -36.0634, 34.8636</a>

# Details

The Hex color **86C64E** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **8E4EC6**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **BEFF83**, and **4F9015** is the 20% darker color. If you saturate the color by 10%, you get **7BC63A**, and if you desaturate by 10%, it is **91C662**.

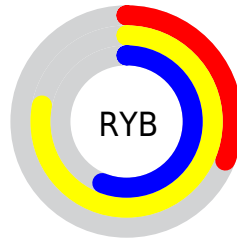
# Distribution



Red (53%)

Green (78%)

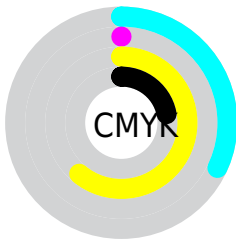
Blue (31%)



Red (31%)

Yellow (78%)

Blue (56%)

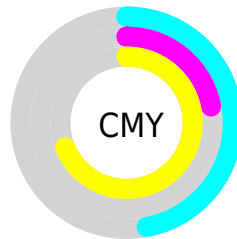


Cyan (32%)

Magenta (0%)

Yellow (61%)

Black (22%)



Cyan (47%)

Magenta (22%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 86C64E 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 86C64E by changing the saturation by 10% instead.





86C64E



86C64E

FFFFFF



6AAA33



BEFF83



4F9015



DBFF9F



337600



F9FFBA



135C00



FFFFD7



004400



FFFFF4



002D00



001500



000000



86C64E



86C64E

 7BC63A

 91C662

 71C626

 9BC676

 66C613

 A6C689

 5CC600

 B0C69D

 BBC6B1

 C5C6C5

 D0C6D9

 DAC6EC

 E5C6FF

# Harmonies

## Analogous

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



C7B730



86C64E



00CF84

# Triad

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



86C64E



00C7FF



FF7CA8

# Complementary

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



86C64E



8E4EC6

# 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.



FF86E4



86C64E



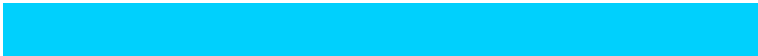
53B6FF

# Square

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



86C64E



00D0FD



CC9EFF



FF896E

# Rectangle

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



86C64E



00D2AE



CC9EFF



FF7DBC

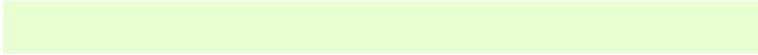


# Sweetspot

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



86C64E



E7FFD1



C68E4E



718063



000000



808080



# Same Dimension

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



86C64E



9CFF45



4EC652



5E635A



4CA300



112400



# Inverse Universe

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



8E4EC6



A845FF



C64EC2



5F5A63



5700A3



130024



# Previews

## White Background



This preview shows how the Hex color 86C64E looks on a white background.

## Color Contrast Check

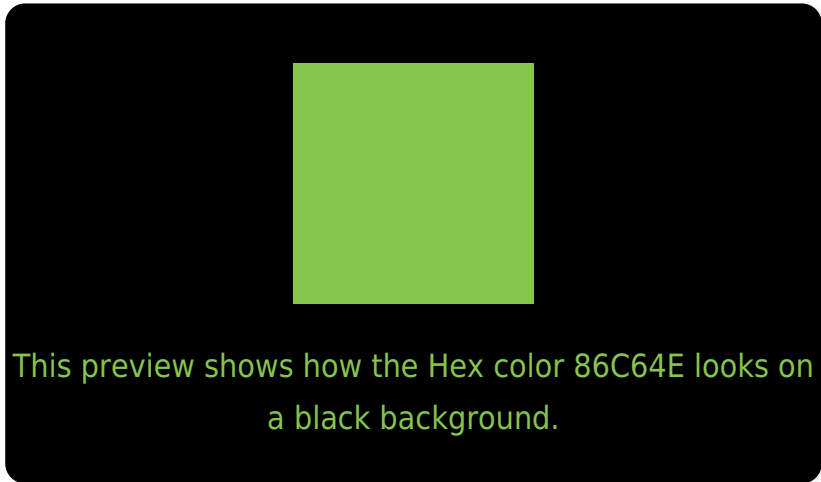
Large Text (above 18pt) WCAG AA × Fail

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

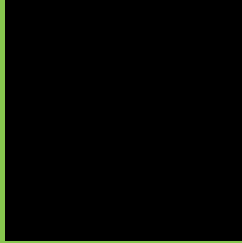
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 86C64E Background



This preview shows how black text looks on a background with the Hex color 86C64E.

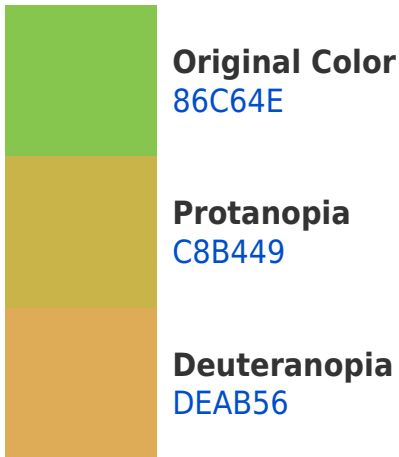


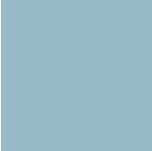
This preview shows how white text looks on a background with the Hex color 86C64E.

# 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**  
98BAC8

# Trichromacy



**Original Color**  
86C64E



**Protanomaly**  
B0BB4B



**Deuteranomaly**  
BEB553



**Tritanomaly**  
91BE9C

# Monochromacy



**Original Color**  
86C64E



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
9AB185

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 86C64E 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 #86C64E looks like.

```
.text, #text, p{  
    color:#86C64E  
}
```

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 #86C64E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #86C64E
}
```

## Border

The CSS property to change the border of an element to Hex 86C64E 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
#86C64E }
```

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

```
.border{ border-color:#86C64E }
```

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

Here you see how a box with a 4 pixel #86C64E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #86C64E; -webkit-box-shadow:4px 4px  
4px 4px #86C64E; box-shadow:4px 4px 4px  
4px #86C64E }
```

# Background

The CSS property to change the background color of an element to Hex 86C64E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#86C64E }
```

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

```
.background{ background-color:#86C64E }
```

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