

# Converting Colors

Hex(87C728)

Have a look what the booklet for  
Hex(87C728) contains.

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**Color**

**Hex(87C728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C728
RGB	135, 199, 40
RGB Percent	53%, 78%, 16%
CMY	0.4706, 0.2196, 0.8431
CMYK	0.32, 0.00, 0.80, 0.22
HSL	84°, 67%, 47%
HSV	84°, 80%, 78%
XYZ	30.7981, 46.1509, 9.2923
YIQ	161.7380, 12.8950, -63.0170

# Conversions

## Conversions Part 2

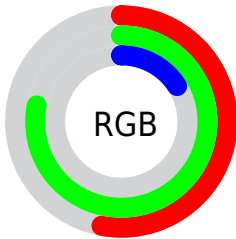
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 199, 104
Decimal	8898344
CIELab	73.64, -42.97, 66.50
CIELCh	74, 79.177, 122.867
Yxy	46.1509, 0.3571, 0.5351
Android (android.graphics.Color)	4287088424 (0xFF87C728)
YUV	161.7380, -60.0168, -23.4492
Hunter-Lab	67.9345, -37.9624, 39.4443

# Details

The Hex color **87C728** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **6828C7**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **C1FF63**, and **4E9100** is the 20% darker color. If you saturate the color by 10%, you get **7FC714**, and if you desaturate by 10%, it is **8FC73C**.

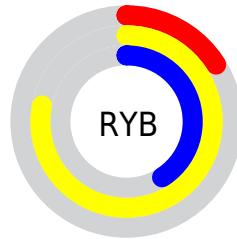
# Distribution



Red (53%)

Green (78%)

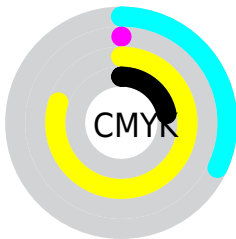
Blue (16%)



Red (16%)

Yellow (78%)

Blue (41%)

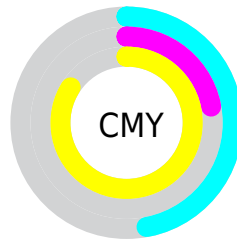


Cyan (32%)

Magenta (0%)

Yellow (80%)

Black (22%)



Cyan (47%)

Magenta (22%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87C728 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 87C728 by changing the saturation by 10% instead.



 87C728

 87C728

FFFFFF

 6BAB00

 C1FF63

 4E9100

 DEFF7F

 307700

 FCFF9C

 095D00

 FFFFB8

 004500

 FFFF55

 002E00

 FFFF22

 001500

 000000

 87C728

 87C728

 7FC714

 8FC73C

 77C700

 97C750

 9FC764

 A7C778

 AFC78C

 B7C79F

 BFC7B3

 C7C7C7

 CFC7DB

# Harmonies

## Analogous

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



D1B400



87C728



00D26F

# Triad

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



87C728



00CDFE



FF69B1

# Complementary

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



87C728



6828C7

# 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.



FF7CF9



87C728



00BBFF

# Square

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



87C728



00D5FF



BD9EFF



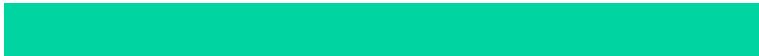
FF786A

# Rectangle

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



87C728



00D5A1



BD9EFF



FF6CCA

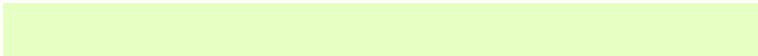


# Sweetspot

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



87C728



E6FFC2



C76828



71805B



000000



808080



# Same Dimension

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



87C728



9CFF0A



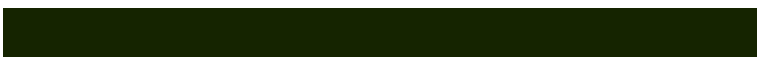
38C728



5F635A



62A300



152400



# Inverse Universe

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



6828C7



6D0AFF



B728C7



5E5A63



4200A3



0E0024



# Previews

## White Background



This preview shows how the Hex color 87C728 looks on a white background.

## Color Contrast Check

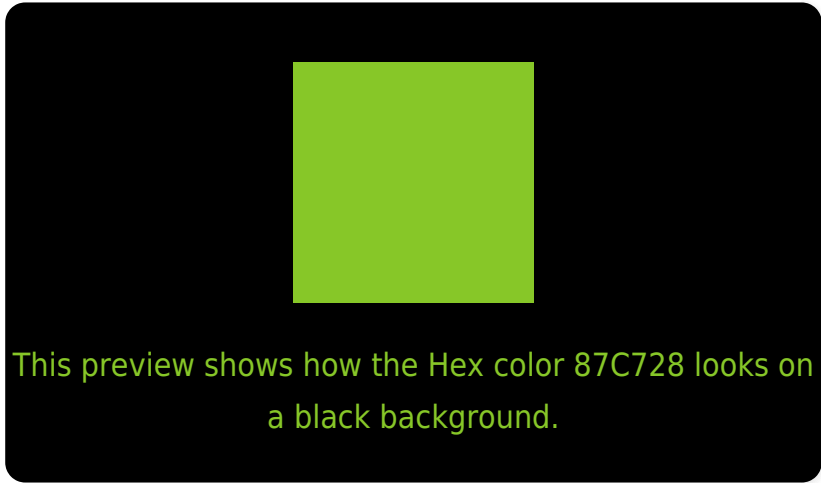
Large Text (above 18pt) WCAG AA × Fail

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 87C728 Background



This preview shows how black text looks on a background with the Hex color 87C728.



This preview shows how white text looks on a background with the Hex color 87C728.

# 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**  
87C728

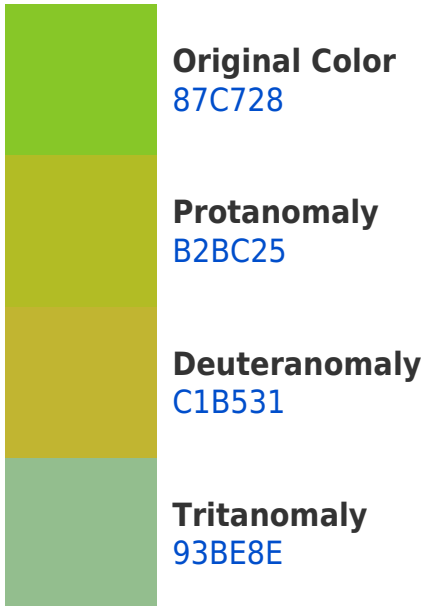
**Protanopia**  
CBB523

**Deuteranopia**  
E2AB36

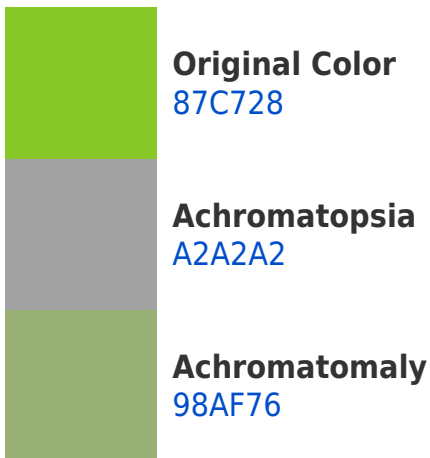


**Tritanopia**  
9AB9C8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87C728 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 #87C728 looks like.

```
.text, #text, p{  
    color:#87C728  
}
```

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 #87C728 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87C728
}
```

## Border

The CSS property to change the border of an element to Hex 87C728 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
#87C728 }
```

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

```
.border{ border-color:#87C728 }
```

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

Here you see how a box with a 4 pixel #87C728 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87C728; -webkit-box-shadow:4px 4px  
4px 4px #87C728; box-shadow:4px 4px 4px  
4px #87C728 }
```

# Background

The CSS property to change the background color of an element to Hex 87C728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87C728 }
```

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

```
.background{ background-color:#87C728 }
```

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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