

# Converting Colors

Hex(85BF66)

Have a look what the booklet for  
Hex(85BF66) contains.

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# **Color**

**Hex(85BF66)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85BF66
RGB	133, 191, 102
RGB Percent	52%, 75%, 40%
CMY	0.4784, 0.2510, 0.6000
CMYK	0.30, 0.00, 0.47, 0.25
HSL	99°, 41%, 57%
HSV	99°, 47%, 75%
XYZ	30.7019, 43.2075, 19.2921
YIQ	163.5120, -5.9990, -39.9750

# Conversions

## Conversions Part 2

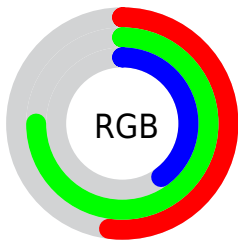
Format	Color
<a href="#">RYB</a>	<a href="#">102, 191, 160</a>
Decimal	<a href="#">8765286</a>
CIELab	<a href="#">71.70, -34.93, 38.87</a>
CIELCh	<a href="#">72, 52.257, 131.947</a>
Yxy	<a href="#">43.2075, 0.3294, 0.4636</a>
Android (android.graphics.Color)	<a href="#">4286955366 (0xFF85BF66)</a>
YUV	<a href="#">163.5120, -30.3254, -26.7590</a>
Hunter-Lab	<a href="#">65.7324, -31.6588, 28.6114</a>

# Details

The Hex color **85BF66** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **A066BF**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **BCF89B**, and **508934** is the 20% darker color. If you saturate the color by 10%, you get **79BF53**, and if you desaturate by 10%, it is **91BF79**.

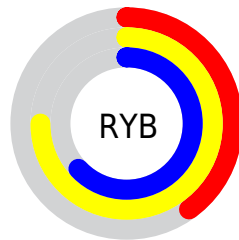
# Distribution



Red (52%)

Green (75%)

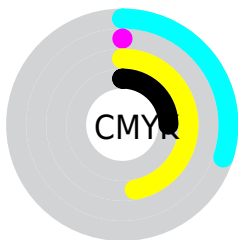
Blue (40%)



Red (40%)

Yellow (75%)

Blue (63%)

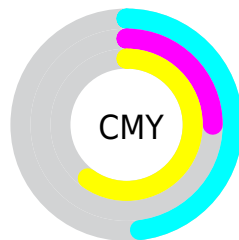


Cyan (30%)

Magenta (0%)

Yellow (47%)

Black (25%)



Cyan (48%)

Magenta (25%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 85BF66 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 85BF66 by changing the saturation by 10% instead.



 85BF66

 85BF66

FFFFFF

 6AA44D

 BCF89B

 508934

 D9FFB6

 366F1B

 F6FFD2

 1A5700

 FFFFEE

 003F00

 002900

 000C00

 000000

 85BF66

 85BF66

 79BF53

 91BF79

 6CBF40

 9EBF8C

 60BF2D

 AABF9F

 53BF1A

 B7BFB2

 47BF07

 C3BFC6

 43BF00

 D0BFD9

 DCBFEC

 E9BFFF

 F5BFFF

# Harmonies

## Analogous

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



B9B34E



85BF66



39C690

# Triad

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



85BF66



00BDFE



FF879E

# Complementary

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



85BF66



A066BF

# 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.



F98CCE



85BF66



82AEFF

# Square

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



85BF66



00C5EE



CC9CF7



FF9272

# Rectangle

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



85BF66



00C8B1



CC9CF7



FF87AE

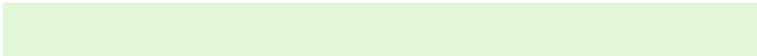


# Sweetspot

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



85BF66



E1F7D5



BFA066



6F7D68



FCFCFC



7D7D7D



# Same Dimension

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



85BF66



9DF76D



66BF73



585E55



379E00



0B1F00



# Inverse Universe

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



A066BF



C76DF7



BF66B2



5B555E



67009E



14001F



# Previews

## White Background



This preview shows how the Hex color 85BF66 looks on a white background.

## Color Contrast Check

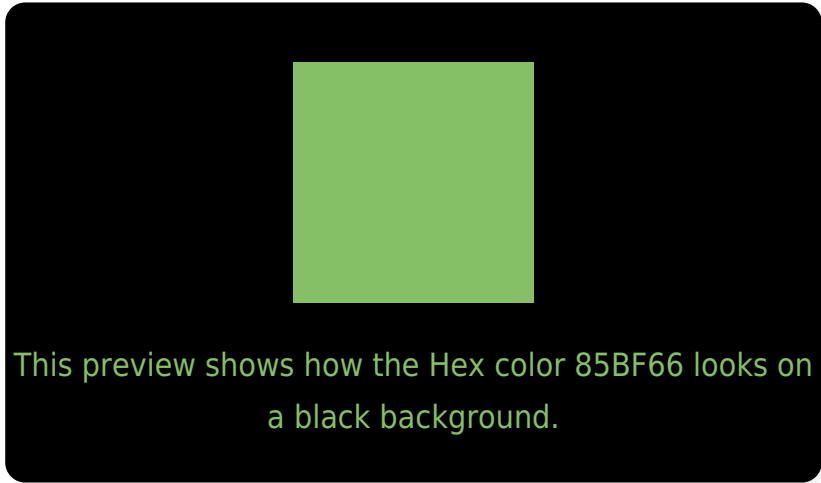
Large Text (above 18pt) WCAG AA × Fail

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 85BF66 Background



This preview shows how black text looks on a background with the Hex color 85BF66.

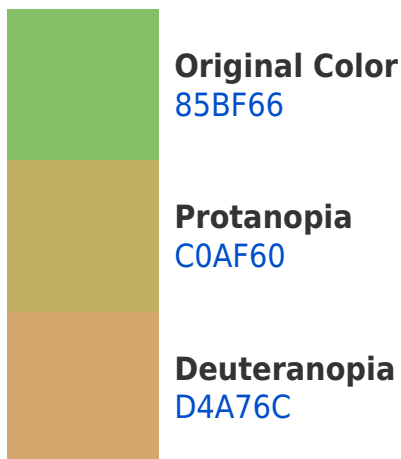


This preview shows how white text looks on a background with the Hex color 85BF66.

# 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](#).

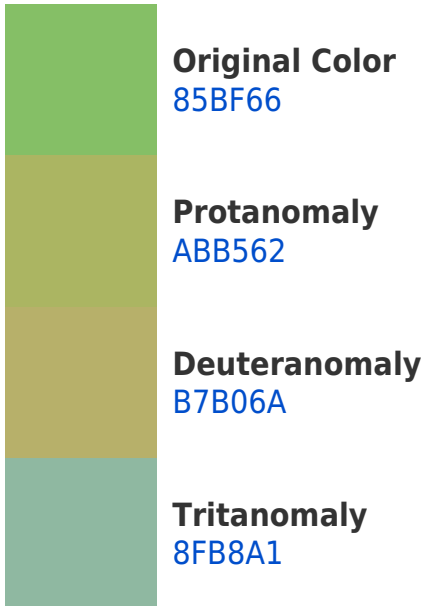
## Dichromacy



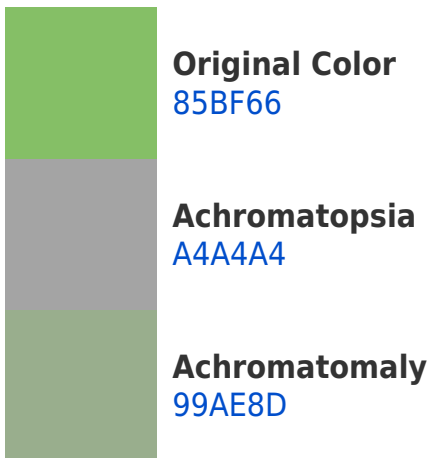


**Tritanopia**  
94B4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 85BF66 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 #85BF66 looks like.

```
.text, #text, p{  
    color:#85BF66  
}
```

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 #85BF66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #85BF66
}
```

## Border

The CSS property to change the border of an element to Hex 85BF66 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
#85BF66 }
```

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

```
.border{ border-color:#85BF66 }
```

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

Here you see how a box with a 4 pixel #85BF66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #85BF66; -webkit-box-shadow:4px 4px  
4px 4px #85BF66; box-shadow:4px 4px 4px  
4px #85BF66 }
```

# Background

The CSS property to change the background color of an element to Hex 85BF66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#85BF66 }
```

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

```
.background{ background-color:#85BF66 }
```

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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