

# Converting Colors

Hex(84BF75)

Have a look what the booklet for  
Hex(84BF75) contains.

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# **Color**

**Hex(84BF75)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BF75
RGB	132, 191, 117
RGB Percent	52%, 75%, 46%
CMY	0.4824, 0.2510, 0.5412
CMYK	0.31, 0.00, 0.39, 0.25
HSL	108°, 37%, 60%
HSV	108°, 39%, 75%
XYZ	31.3574, 43.4515, 23.5639
YIQ	164.9230, -11.4100, -35.5220

# Conversions

## Conversions Part 2

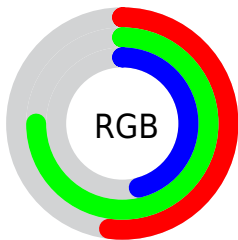
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 191, 176
Decimal	8699765
CIELab	71.86, -33.22, 31.41
CIELCh	72, 45.714, 136.605
Yxy	43.4515, 0.3188, 0.4417
Android (android.graphics.Color)	4286889845 (0xFF84BF75)
YUV	164.9230, -23.6260, -28.8735
Hunter-Lab	65.9177, -30.4427, 24.9478

# Details

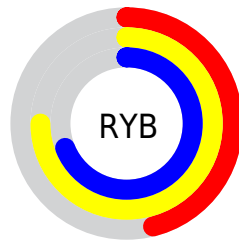
The Hex color **84BF75** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **B075BF**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **BBF8AA**, and **508943** is the 20% darker color. If you saturate the color by 10%, you get **75BF62**, and if you desaturate by 10%, it is **93BF88**.

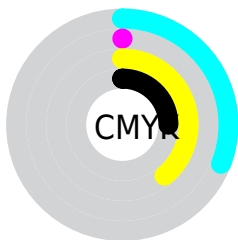
# Distribution



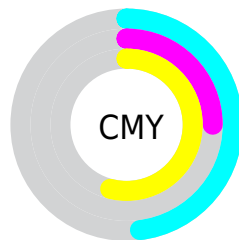
- Red (52%)
- Green (75%)
- Blue (46%)



- Red (46%)
- Yellow (75%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 84BF75 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 84BF75 by changing the saturation by 10% instead.





84BF75



84BF75

FFFFFF



69A45C



BBF8AA



508943



D7FFC5



366F2C



F4FFE2



1B5714

FFFFFFE



003F00



002900



000D00



000000



84BF75



84BF75

 75BF62

 93BF88

 66BF4F

 A2BF9B

 56BF3C

 B2BFAE

 47BF29

 C1BFC1

 38BF16

 D0BFD4

 29BF02

 DFBFE8

 27BF00

 EFBFFB

 FEBFFF

 FFBFFF

# Harmonies

## Analogous

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



B3B55E



84BF75



47C59B

# Triad

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



84BF75



40BAFF



FF8F9A

# Complementary

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



84BF75



B075BF

# 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.



F590C5



84BF75



97ACFF

# Square

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



84BF75



00C2EC



D19CEA



F69875

# Rectangle

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



84BF75



00C6B8



D19CEA



FF8EA8

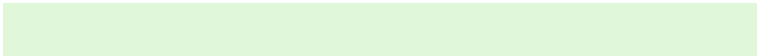


# Sweetspot

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



84BF75



E0F7DA



BFAF75



6F7D6B



FCFCFC



7D7D7D



# Same Dimension

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



84BF75



9DF786



75BF8A



575E55



209E00



061F00



# Inverse Universe

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



B075BF



E086F7



BF75AA



5C555E



7E009E



18001F



# Previews

## White Background



This preview shows how the Hex color 84BF75 looks on a white background.

## Color Contrast Check

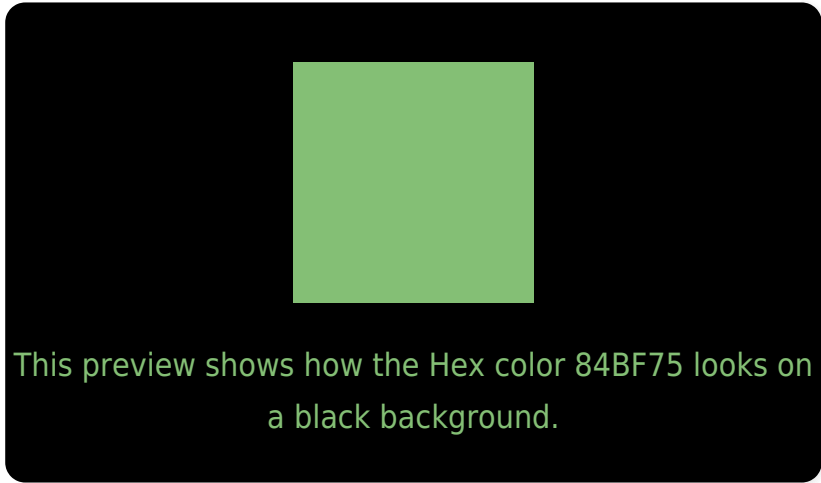
Large Text (above 18pt) WCAG AA × Fail

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 84BF75 Background



This preview shows how black text looks on a background with the Hex color 84BF75.



This preview shows how white text looks on a background with the Hex color 84BF75.

# 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**  
84BF75

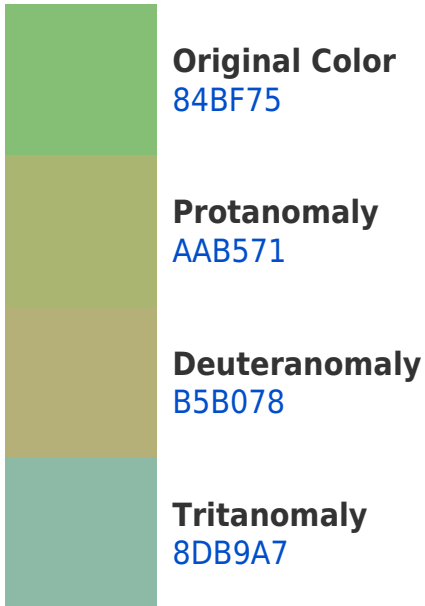
**Protanopia**  
BFAF6F

**Deuteranopia**  
D1A87A

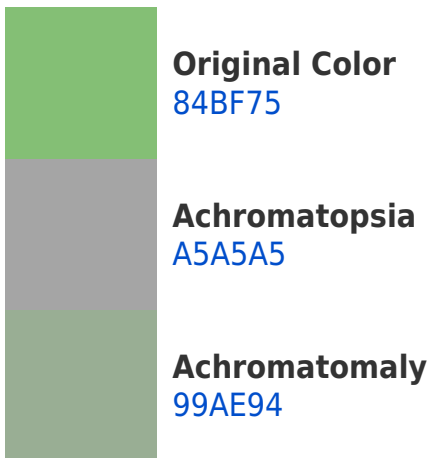


**Tritanopia**  
92B6C4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 84BF75 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 #84BF75 looks like.

```
.text, #text, p{  
    color:#84BF75  
}
```

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 #84BF75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #84BF75
}
```

## Border

The CSS property to change the border of an element to Hex 84BF75 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
#84BF75 }
```

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

```
.border{ border-color:#84BF75 }
```

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

Here you see how a box with a 4 pixel #84BF75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #84BF75; -webkit-box-shadow:4px 4px  
4px 4px #84BF75; box-shadow:4px 4px 4px  
4px #84BF75 }
```

# Background

The CSS property to change the background color of an element to Hex 84BF75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#84BF75 }
```

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

```
.background{ background-color:#84BF75 }
```

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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