

# Converting Colors

Hex(84E070)

Have a look what the booklet for  
Hex(84E070) contains.

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**Color**

**Hex(84E070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84E070
RGB	132, 224, 112
RGB Percent	52%, 88%, 44%
CMY	0.4824, 0.1216, 0.5608
CMYK	0.41, 0.00, 0.50, 0.12
HSL	109°, 64%, 66%
HSV	109°, 50%, 88%
XYZ	39.0960, 59.3867, 24.7314
YIQ	183.7240, -18.8800, -54.3360

# Conversions

## Conversions Part 2

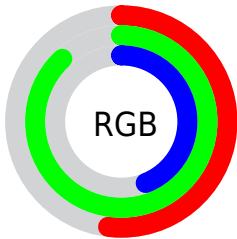
Format	Color
<a href="#">RYB</a>	<a href="#">112, 224, 204</a>
Decimal	<a href="#">8708208</a>
CIELab	<a href="#">81.50, -48.42, 46.08</a>
CIELCh	<a href="#">82, 66.846, 136.420</a>
Yxy	<a href="#">59.3867, 0.3173, 0.4820</a>
Android (android.graphics.Color)	<a href="#">4286898288 (0xFF84E070)</a>
YUV	<a href="#">183.7240, -35.3599, -45.3619</a>
Hunter-Lab	<a href="#">77.0628, -44.3020, 34.9162</a>

# Details

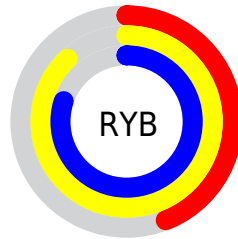
The Hex color **84E070** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **CC70E0**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **BDFFA6**, and **4BA83C** is the 20% darker color. If you saturate the color by 10%, you get **72E05A**, and if you desaturate by 10%, it is **96E086**.

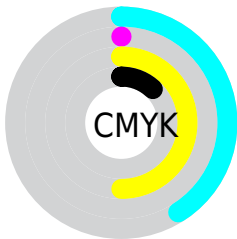
# Distribution



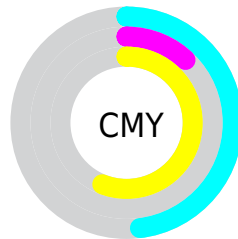
- Red (52%)
- Green (88%)
- Blue (44%)



- Red (44%)
- Yellow (88%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)



- Cyan (48%)
- Magenta (12%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 84E070 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 84E070 by changing the saturation by 10% instead.



 84E070

 84E070

FFFFFF

 68C456

 BDFFA6

 4BA83C

 DAFFC2

 2C8D22

 F8FFDE

 007300

 FFFFFB

 005900

 004100

 002C00

 000A00

 000000

 84E070

 84E070

 72E05A

 96E086

 5FE043

 A9E09D

 4DE02D

 BBE0B3

 3AE016

 CEE0CA

 28E000

 E0E0E0

 F2E0F6

 FFE0FF

# Harmonies

## Analogous

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



CCD24A



84E070



00E8AB

# Triad

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



84E070



00DAFF



FF94AB

# Complementary

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



84E070



CC70E0

# 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.



FF97EA



84E070



9AC5FF

# Square

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



84E070



00E5FF



FAACFF



FFA572

# Rectangle

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



84E070



00E9D7



FAACFF



FF92BF

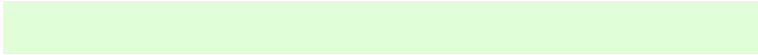


# Sweetspot

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



84E070



E0FFD9



E0CB70



6D8069



000000



808080



# Same Dimension

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



84E070



81FF66



70E093



677065



1FB000



093000



# Inverse Universe

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



CC70E0



E466FF



E070BD



6E6570



9100B0



280030



# Previews

## White Background



This preview shows how the Hex color 84E070 looks on a white background.

## Color Contrast Check

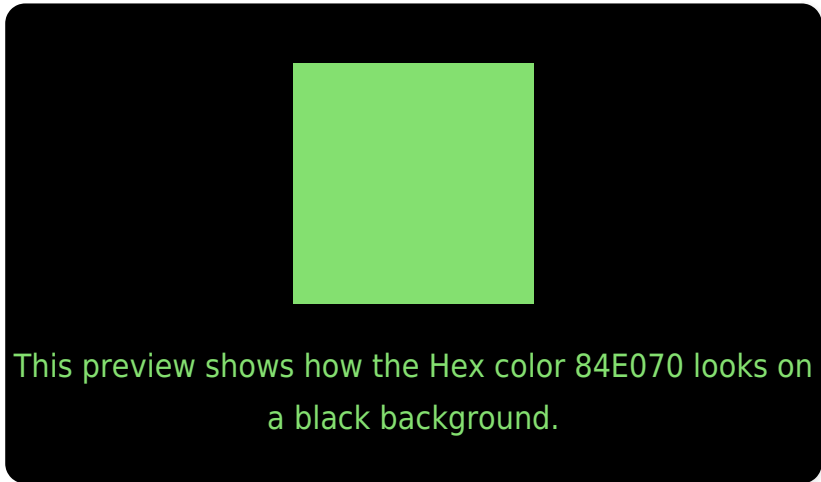
Large Text (above 18pt) WCAG AA × Fail

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

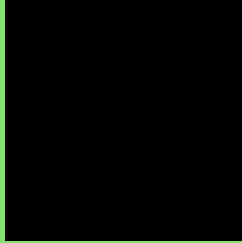
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 84E070 Background



This preview shows how black text looks on a background with the Hex color 84E070.

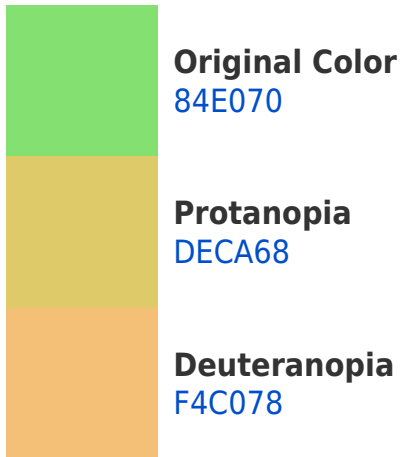


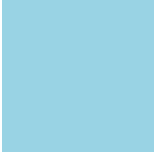
This preview shows how white text looks on a background with the Hex color 84E070.

# 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



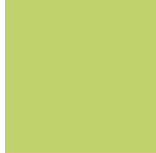


**Tritanopia**  
99D3E4

# Trichromacy



**Original Color**  
84E070



**Protanomaly**  
BDD26B



**Deuteranomaly**  
CBCC75

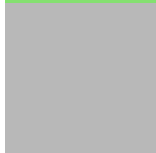


**Tritanomaly**  
91D8BA

# Monochromacy



**Original Color**  
84E070



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
A5C79E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 84E070 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 #84E070 looks like.

```
.text, #text, p{  
    color:#84E070  
}
```

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 #84E070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #84E070
}
```

## Border

The CSS property to change the border of an element to Hex 84E070 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
#84E070 }
```

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

```
.border{ border-color:#84E070 }
```

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

Here you see how a box with a 4 pixel #84E070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #84E070; -webkit-box-shadow:4px 4px  
4px 4px #84E070; box-shadow:4px 4px 4px  
4px #84E070 }
```

# Background

The CSS property to change the background color of an element to Hex 84E070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#84E070 }
```

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

```
.background{ background-color:#84E070 }
```

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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