

# Converting Colors

Hex(CAFF77)

Have a look what the booklet for  
Hex(CAFF77) contains.

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# **Color**

**Hex(CAFF77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFF77
RGB	202, 255, 119
RGB Percent	79%, 100%, 47%
CMY	0.2078, 0.0000, 0.5333
CMYK	0.21, 0.00, 0.53, 0.00
HSL	83°, 100%, 73%
HSV	83°, 53%, 100%
XYZ	63.4469, 85.4085, 30.5942
YIQ	223.6490, 12.0680, -53.5320

# Conversions

## Conversions Part 2

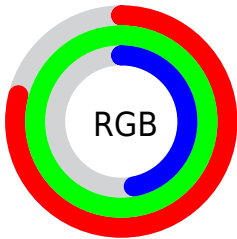
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 255, 172
Decimal	13303671
CIELab	94.06, -37.41, 58.76
CIELCh	94, 69.660, 122.484
Yxy	85.4085, 0.3536, 0.4759
Android (android.graphics.Color)	4291493751 (0xFFCAFF77)
YUV	223.6490, -51.5920, -18.9862
Hunter-Lab	92.4167, -39.1835, 45.0639

# Details

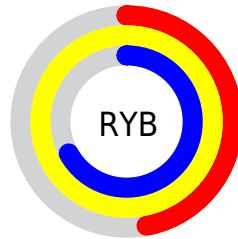
The Hex color **CAFF77** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **AC77FF**, and the grayscale version is **E0E0E0**.

A 20% lighter version of the original color is **FFFFAE**, and **91C641** is the 20% darker color. If you saturate the color by 10%, you get **C0FF5E**, and if you desaturate by 10%, it is **D4FF91**.

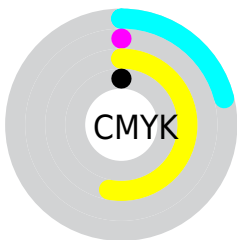
# Distribution



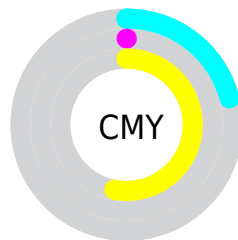
- Red (79%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CAFF77 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 CAFF77 by changing the saturation by 10% instead.



 CAFF77

FFFFFF

 FFFFAE

 FFFFCB

 FFFFEB

 CAFF77

 ADE25C

 91C641

 75AB23

 5A9000

 3E7600

 225D00

 004500

 002E00

 001700

 CAFF77

 CAFF77

 C0FF5E

 D4FF91

 B6FF44

 DEFFAA

 ACFF2A

 E8FFC3

 A2FF11

 F2FFDD

 9CFF00

 FCFFF7

FFFFFF

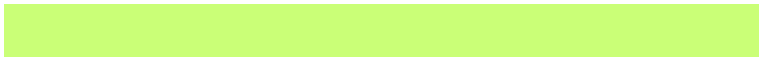
# Harmonies

## Analogous

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



FFEC61



CAFF77



6DFFAD

# Triad

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



CAFF77



00FFFF



FFB3EB

# Complementary

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



CAFF77



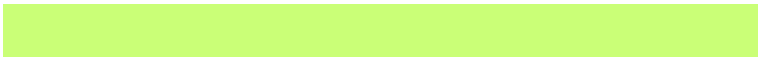
AC77FF

# 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.



FFC0FF



CAFF77



77F3FF

# Square

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



CAFF77



00FFFF



F9DAFF



FFBCA9

# Rectangle

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



CAFF77



00FFDA



F9DAFF



FFB5FF

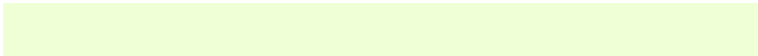


# Sweetspot

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



CAFF77



EFFFD6



FFAB77



768067



000000



808080



# Same Dimension

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



CAFF77



BFFF5C



87FF77



7B8073



75BF00



274000



# Inverse Universe

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



AC77FF



9B5CFF



EF77FF



787380



4B00BF

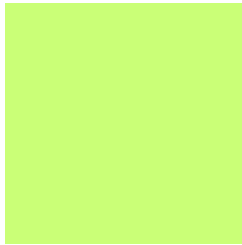


190040



# Previews

## White Background



This preview shows how the Hex color CAFF77 looks on a white background.

## Color Contrast Check

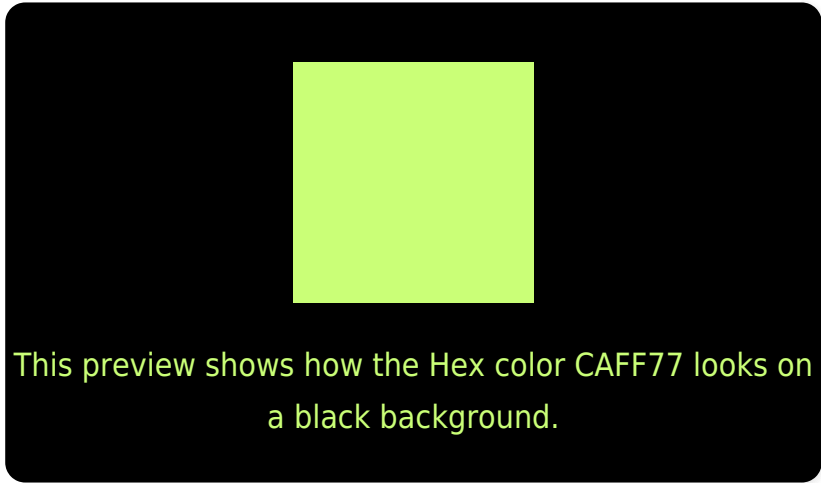
Large Text (above 18pt) WCAG AA × Fail

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 CAFF77 Background



This preview shows how black text looks on a background with the Hex color CAFF77.

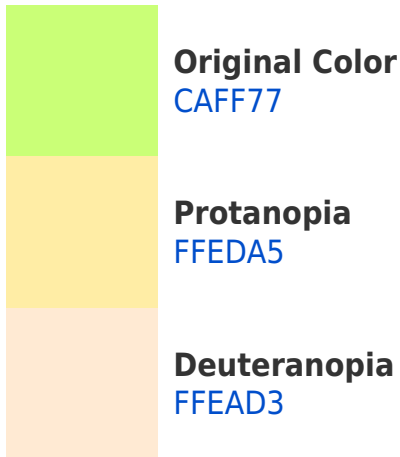


This preview shows how white text looks on a background with the Hex color CAFF77.

# 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](#).

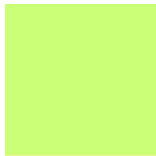
## Dichromacy



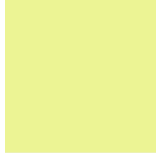


**Tritanopia**  
E0EFFF

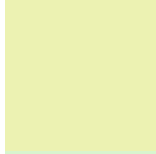
# Trichromacy



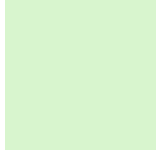
**Original Color**  
CAFF77



**Protanomaly**  
ECF494

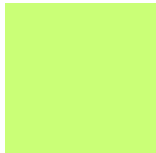


**Deuteranomaly**  
ECF2B2

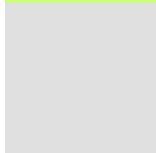


**Tritanomaly**  
D8F5CE

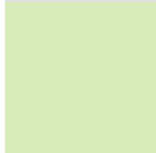
# Monochromacy



**Original Color**  
CAFF77



**Achromatopsia**  
E0E0E0



**Achromatomaly**  
D8EBBA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CAFF77 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 #CAFF77 looks like.

```
.text, #text, p{  
    color:#CAFF77  
}
```

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 #CAFF77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CAFF77
}
```

## Border

The CSS property to change the border of an element to Hex CAFF77 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
#CAFF77 }
```

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

```
.border{ border-color:#CAFF77 }
```

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

Here you see how a box with a 4 pixel #CAFF77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CAFF77; -webkit-box-shadow:4px 4px  
4px 4px #CAFF77; box-shadow:4px 4px 4px  
4px #CAFF77 }
```

# Background

The CSS property to change the background color of an element to Hex CAFF77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CAFF77 }
```

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

```
.background{ background-color:#CAFF77 }
```

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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