

# Converting Colors

Hex(DEF754)

Have a look what the booklet for  
Hex(DEF754) contains.

<b>Hex(DEF754)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(DEF754)

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF754
RGB	222, 247, 84
RGB Percent	87%, 97%, 33%
CMY	0.1294, 0.0314, 0.6706
CMYK	0.10, 0.00, 0.66, 0.03
HSL	69°, 91%, 65%
HSV	69°, 66%, 97%
XYZ	64.9852, 82.6912, 20.9234
YIQ	220.9430, 37.4230, -55.9930

# Conversions

## Conversions Part 2

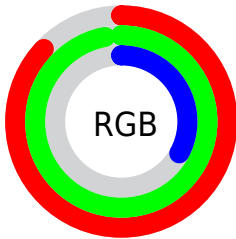
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 247, 109
Decimal	14612308
CIELab	92.88, -28.82, 72.31
CIELCh	93, 77.843, 111.733
Yxy	82.6912, 0.3854, 0.4905
Android (android.graphics.Color)	4292802388 (0xFFDEF754)
YUV	220.9430, -67.5129, 0.9270
Hunter-Lab	90.9347, -31.5733, 50.0121

# Details

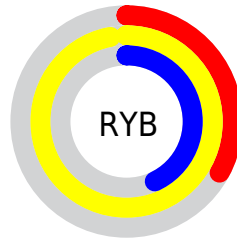
The Hex color **DEF754** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **6D54F7**, and the grayscale version is **DEDEDE**.

A 20% lighter version of the original color is **FFFF8D**, and **A3BF0B** is the 20% darker color. If you saturate the color by 10%, you get **DAF73B**, and if you desaturate by 10%, it is **E2F76D**.

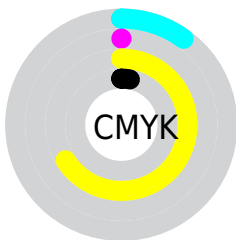
# Distribution



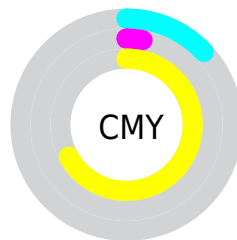
- Red (87%)
- Green (97%)
- Blue (33%)



- Red (33%)
- Yellow (97%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEF754 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 DEF754 by changing the saturation by 10% instead.



 DEF754

 DEF754

FFFFFF

 C0DB36

 FFFF8D

 A3BF0B

 FFFF8A

 87A400

 FFFFC7

 6B8900

 FFFFEE

 4F7000

 335700

 164000

 002900

 001200

 DEF754

 DEF754

 DAF73B

 E2F76D

 D6F723

 E6F785

 D3F70A

 E9F79E

 D1F700

 EDF7B7

 F1F7D0

 F5F7E8

 F9F7FF

 FCF7FF

 FFF7FF

# Harmonies

## Analogous

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



FFDF4D



DEF754



81FF89

# Triad

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



DEF754



00FFFF



FFA8FF

# Complementary

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



DEF754



6D54F7

# 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



DEF754



00F9FF

# Square

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



DEF754



00FFFF



C9DFFF



FFAAB7

# Rectangle

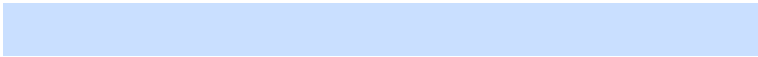
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DEF754



00FFB9



C9DFFF



FFAEFF

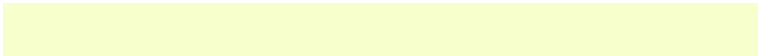


# Sweetspot

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



DEF754



F7FFCC



F76C54



7B8061



000000



808080



# Same Dimension

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



DEF754



E0FF36



8DF754



797A6E



9EBA00



323B00



# Inverse Universe

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



6D54F7



5436FF



BE54F7



706E7A



1D00BA



09003B



# Previews

## White Background



This preview shows how the Hex color DEF754 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



This preview shows how the Hex color DEF754 looks on a 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 DEF754 Background



This preview shows how black text looks on a background with the Hex color DEF754.

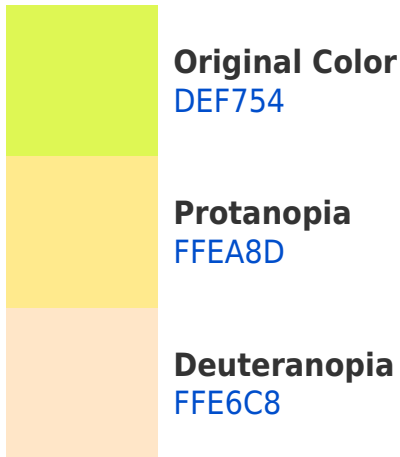


This preview shows how white text looks on a background with the Hex color DEF754.

# 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



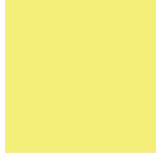


**Tritanopia**  
EFE7F9

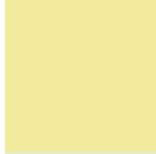
# Trichromacy



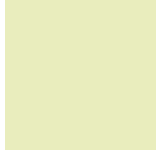
**Original Color**  
DEF754



**Protanomaly**  
F3EF78



**Deuteranomaly**  
F3EC9E

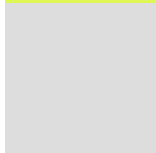


**Tritanomaly**  
E9EDBD

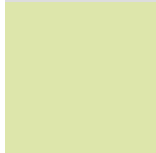
# Monochromacy



**Original Color**  
DEF754



**Achromatopsia**  
DDDDDD



**Achromatomaly**  
DDE6AB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEF754 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 #DEF754 looks like.

```
.text, #text, p{  
    color:#DEF754  
}
```

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 #DEF754 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEF754
}
```

## Border

The CSS property to change the border of an element to Hex DEF754 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
#DEF754 }
```

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

```
.border{ border-color:#DEF754 }
```

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

Here you see how a box with a 4 pixel #DEF754 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEF754; -webkit-box-shadow:4px 4px  
4px 4px #DEF754; box-shadow:4px 4px 4px  
4px #DEF754 }
```

# Background

The CSS property to change the background color of an element to Hex DEF754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEF754 }
```

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

```
.background{ background-color:#DEF754 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor