

# Converting Colors

Hex(DEFF40)

Have a look what the booklet for  
Hex(DEF40) contains.

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**Color**

**Hex(DEFF40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFF40
RGB	222, 255, 64
RGB Percent	87%, 100%, 25%
CMY	0.1294, 0.0000, 0.7490
CMYK	0.13, 0.00, 0.75, 0.00
HSL	70°, 100%, 63%
HSV	70°, 75%, 100%
XYZ	66.8096, 87.4198, 18.2030
YIQ	223.3590, 41.6430, -66.3970

# Conversions

## Conversions Part 2

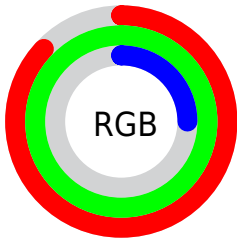
Format	Color
<a href="#">RYB</a>	<a href="#">64, 255, 97</a>
Decimal	<a href="#">14614336</a>
CIELab	<a href="#">94.92, -33.52, 81.06</a>
CIELCh	<a href="#">95, 87.715, 112.467</a>
Yxy	<a href="#">87.4198, 0.3875, 0.5070</a>
Android (android.graphics.Color)	<a href="#">4292804416 (0xFFDEFF40)</a>
YUV	<a href="#">223.3590, -78.5640, -1.1918</a>
Hunter-Lab	<a href="#">93.4985, -36.0748, 53.9060</a>

# Details

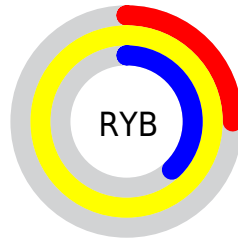
The Hex color **DEFF40** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **6140FF**, and the grayscale version is **E0E0E0**.

A 20% lighter version of the original color is **FFFF7D**, and **A3C600** is the 20% darker color. If you saturate the color by 10%, you get **DAFF26**, and if you desaturate by 10%, it is **E2FF5A**.

# Distribution



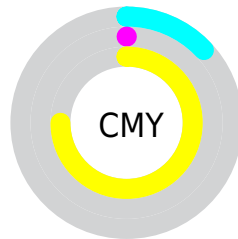
- Red (87%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEFF40 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 DEFF40 by changing the saturation by 10% instead.



 DEFF40

 DEFF40

FFFFFF

 C0E217

 FFFF7D

 A3C600

 FFFF9A

 86AB00

 FFFFB8

 699000

 FFFFFD5

 4D7700

 FFFFF3

 2F5E00

 0E4600

 002F00

 001A00

 DEFF40

 DEFF40

 DAFF26

 E2FF5A

 D5FF0D

 E7FF73

 D3FF00

 EBFF8D

 F0FFA6

 F4FFC0

 F8FFD9

 FDFFF3

FFFFFF

# Harmonies

## Analogous

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



FFE534



DEFF40



6FFF83

# Triad

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



DEFF40



00FFFF



FFA1FF

# Complementary

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



DEFF40



6140FF

# 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.



FFBEFF



DEFF40



00FFFF

# Square

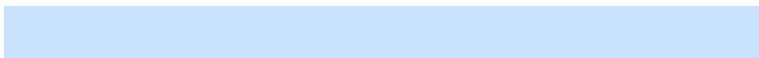
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



DEFF40



00FFFF



C9E3FF



FFA5B5

# Rectangle

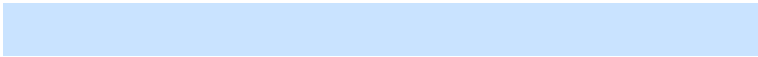
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DEFF40



00FFBA



C9E3FF



FFA8FF



# Sweetspot

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



DEFF40



F5FFC7



FF6040



7A805E



000000



808080



# Same Dimension

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



DEFF40



D7FF19



80FF40



7D8073



9EBF00



354000



# Inverse Universe

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



6140FF



4119FF



BF40FF



757380



2100BF

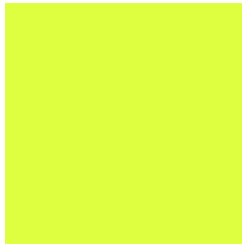


0B0040



# Previews

## White Background



This preview shows how the Hex color DEFF40 looks on a white background.

## Color Contrast Check

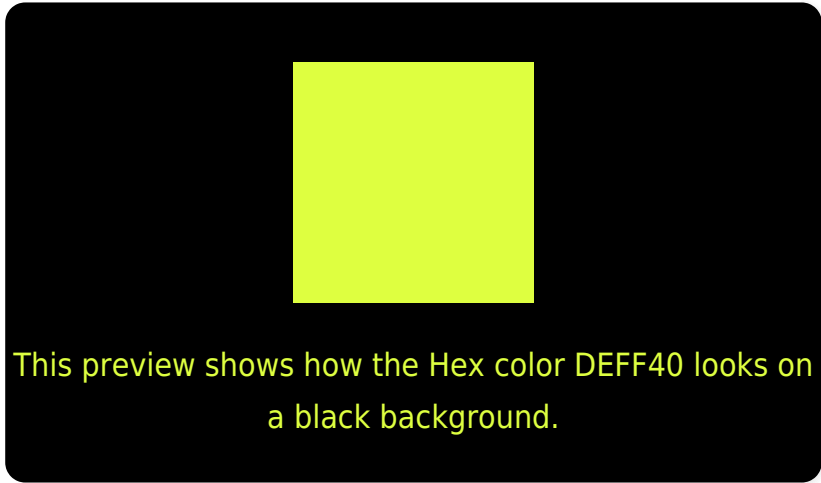
Large Text (above 18pt) WCAG AA × Fail

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 DEFF40 Background



This preview shows how black text looks on a background with the Hex color DEFF40.

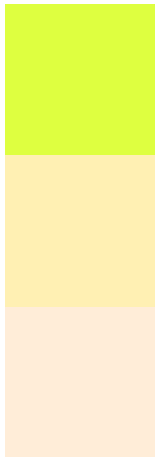


This preview shows how white text looks on a background with the Hex color DEFF40.

# 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**  
DEFF40

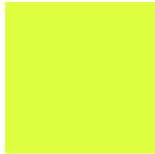
**Protanopia**  
FFF0B3

**Deuteranopia**  
FFEDD8



**Tritanopia**  
F1EEFF

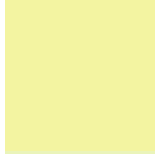
# Trichromacy



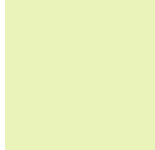
**Original Color**  
DEFF40



**Protanomaly**  
F3F589



**Deuteranomaly**  
F3F4A1

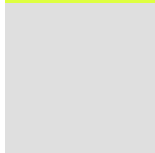


**Tritanomaly**  
EAF4BA

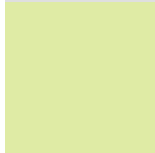
# Monochromacy



**Original Color**  
DEFF40



**Achromatopsia**  
DFDFDF



**Achromatomaly**  
DFEBA5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEFF40 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 #DEFF40 looks like.

```
.text, #text, p{  
    color:#DEFF40  
}
```

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 #DEFF40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEFF40
}
```

## Border

The CSS property to change the border of an element to Hex DEFF40 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
#DEFF40 }
```

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

```
.border{ border-color:#DEFF40 }
```

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

Here you see how a box with a 4 pixel #DEFF40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEFF40; -webkit-box-shadow:4px 4px  
4px 4px #DEFF40; box-shadow:4px 4px 4px  
4px #DEFF40 }
```

# Background

The CSS property to change the background color of an element to Hex DEFF40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEFF40 }
```

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

```
.background{ background-color:#DEFF40 }
```

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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