

# Converting Colors

Hex(DEFF55)

Have a look what the booklet for  
Hex(DEF55) contains.

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# Color

Hex(**DEFF55**)

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFF55
RGB	222, 255, 85
RGB Percent	87%, 100%, 33%
CMY	0.1294, 0.0000, 0.6667
CMYK	0.13, 0.00, 0.67, 0.00
HSL	72°, 100%, 67%
HSV	72°, 67%, 100%
XYZ	67.5239, 87.7055, 21.9643
YIQ	225.7530, 34.9020, -59.8660

# Conversions

## Conversions Part 2

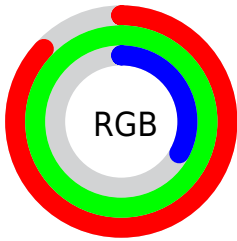
Format	Color
<b>RYB</b>	85, 255, 118
Decimal	14614357
CIELab	95.04, -32.46, 74.15
CIELCh	95, 80.941, 113.644
Yxy	87.7055, 0.3811, 0.4950
Android (android.graphics.Color)	4292804437 (0xFFDEFF55)
YUV	225.7530, -69.3912, -3.2914
Hunter-Lab	93.6512, -35.1885, 51.6504

# Details

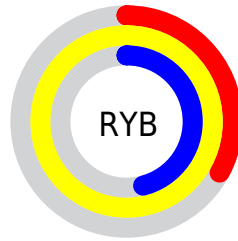
The Hex color **DEFF55** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **7655FF**, and the grayscale version is **E2E2E2**.

A 20% lighter version of the original color is **FFFF8F**, and **A3C609** is the 20% darker color. If you saturate the color by 10%, you get **D9FF3B**, and if you desaturate by 10%, it is **E3FF6E**.

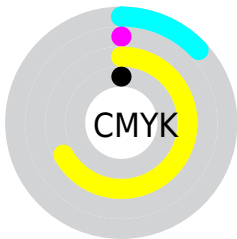
# Distribution



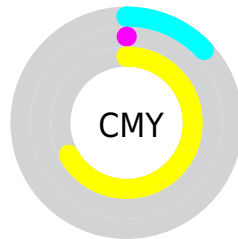
- Red (87%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (46%)



- Cyan (13%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEFF55 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 DEFF55 by changing the saturation by 10% instead.



 DEFF55

 DEFF55

FFFFFF

 C0E236

 FFFF8F

 A3C609

 FFFFAB

 87AB00

 FFFFC8

 6A9000

 FFFF80

 4E7700

 325E00

 124600

 002F00

 001A00

 DEFF55

 DEFF55

 D9FF3B

 E3FF6E

 D4FF22

 E8FF88

 CFFF08

 EDFFA2

 CEFF00

 F2FFBB

 F7FFD4

 FCFFEE

FFFFFF

# Harmonies

## Analogous

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



FFE749



DEFF55



79FF8F

# Triad

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



DEFF55



00FFFF



FFAAFF

# Complementary

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



DEFF55



7655FF

# 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.



FFC2FF



DEFF55



00FEFF

# Square

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



DEFF55



00FFFF



D6E3FF



FFAEB7

# Rectangle

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



DEFF55



00FFC2



D6E3FF



FFB0FF

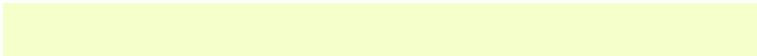


# Sweetspot

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



DEFF55



F5FFCC



FF7455



7A8061



000000



808080



# Same Dimension

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



DEFF55



D7FF33



8BFF55



7D8073



9ABF00



334000



# Inverse Universe

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



7655FF



5B33FF



C955FF



757380



2500BF

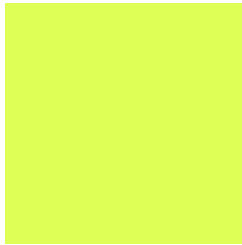


0C0040



# Previews

## White Background



This preview shows how the Hex color DEFF55 looks on a white background.

## Color Contrast Check

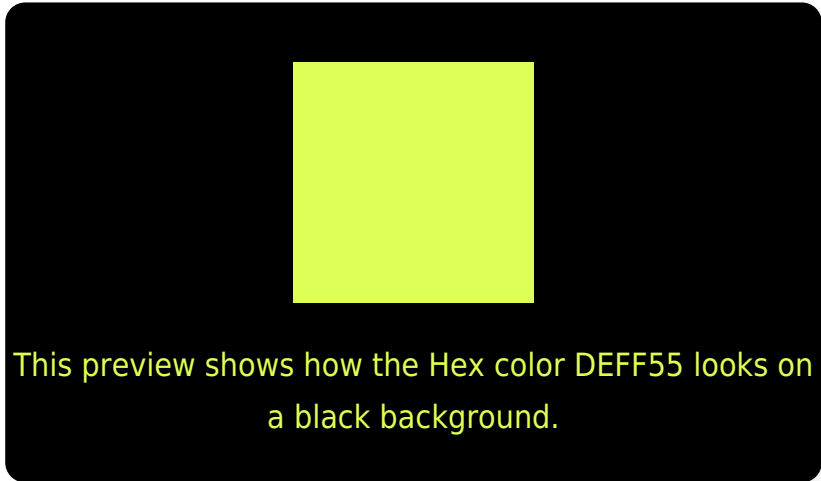
Large Text (above 18pt) WCAG AA × Fail

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 DEFF55 Background



This preview shows how black text looks on a background with the Hex color DEFF55.

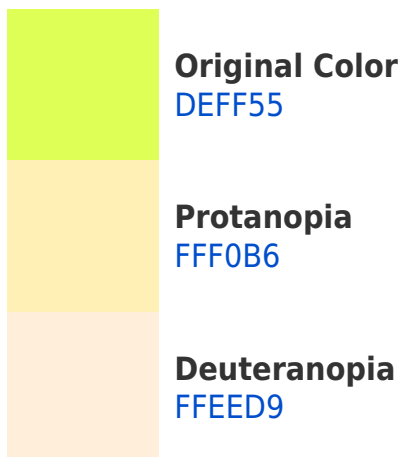


This preview shows how white text looks on a background with the Hex color DEFF55.

# 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



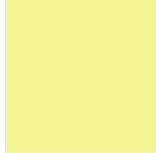


**Tritanopia**  
FOEFFF

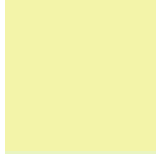
# Trichromacy



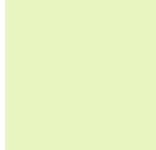
**Original Color**  
DEFF55



**Protanomaly**  
F3F593



**Deuteranomaly**  
F3F4A9

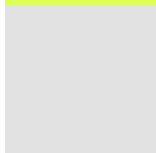


**Tritanomaly**  
E9F5C1

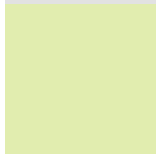
# Monochromacy



**Original Color**  
DEFF55



**Achromatopsia**  
E2E2E2



**Achromatomaly**  
E1EDAF

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEFF55 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 #DEFF55 looks like.

```
.text, #text, p{  
    color:#DEFF55  
}
```

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 #DEFF55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEFF55
}
```

## Border

The CSS property to change the border of an element to Hex DEFF55 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
#DEFF55 }
```

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

```
.border{ border-color:#DEFF55 }
```

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

Here you see how a box with a 4 pixel #DEFF55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEFF55; -webkit-box-shadow:4px 4px  
4px 4px #DEFF55; box-shadow:4px 4px 4px  
4px #DEFF55 }
```

# Background

The CSS property to change the background color of an element to Hex DEFF55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEFF55 }
```

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

```
.background{ background-color:#DEFF55 }
```

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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