

# Converting Colors

Hex(DEFA38)

Have a look what the booklet for  
Hex(DEFA38) contains.

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**Color**

**Hex(DEFA38)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFA38
RGB	222, 250, 56
RGB Percent	87%, 98%, 22%
CMY	0.1294, 0.0196, 0.7804
CMYK	0.11, 0.00, 0.78, 0.02
HSL	69°, 95%, 60%
HSV	69°, 78%, 98%
XYZ	65.0236, 84.1863, 16.5639
YIQ	219.5120, 45.5860, -66.2700

# Conversions

## Conversions Part 2

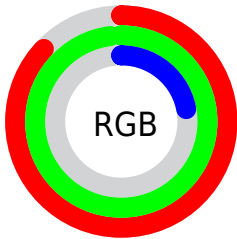
Format	Color
<a href="#">RYB</a>	<a href="#">56, 250, 84</a>
Decimal	<a href="#">14613048</a>
CIELab	<a href="#">93.53, -31.55, 82.08</a>
CIELCh	<a href="#">94, 87.936, 111.025</a>
Yxy	<a href="#">84.1863, 0.3922, 0.5078</a>
Android (android.graphics.Color)	<a href="#">4292803128</a> ( <a href="#">0xFFDEFA38</a> )
YUV	<a href="#">219.5120, -80.6114, 2.1820</a>
Hunter-Lab	<a href="#">91.7531, -34.0685, 53.5238</a>

# Details

The Hex color **DEFA38** 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 **5438FA**, and the grayscale version is **DCDCDC**.

A 20% lighter version of the original color is **FFFF77**, and **A3C200** is the 20% darker color. If you saturate the color by 10%, you get **DAFA1F**, and if you desaturate by 10%, it is **E2FA51**.

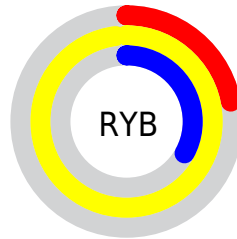
# Distribution



Red (87%)

Green (98%)

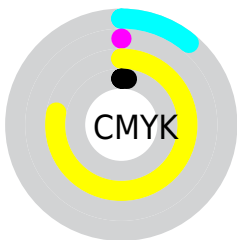
Blue (22%)



Red (22%)

Yellow (98%)

Blue (33%)

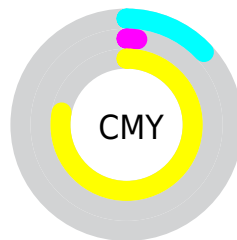


Cyan (11%)

Magenta (0%)

Yellow (78%)

Black (2%)



Cyan (13%)

Magenta (2%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DEFA38 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 DEFA38 by changing the saturation by 10% instead.



 DEFA38

 DEFA38

FFFFFF

 C0DD03

 FFFF77

 A3C200

 FFFF94

 85A600

 FFFFB1

 698C00

 FFFFCE

 4C7200

 FFFFED

 2F5A00

 104200

 002B00

 001500

 DEFA38

 DEFA38

 DAFA1F

 E2FA51

 D7FA06

 E5FA6A

 D6FA00

 E9FA83

 ECFA9C

 F0FAB5

 F4FACE

 F7FAE7

 FBFAFF

 FEFAFF

# Harmonies

## Analogous

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



FFDF30



DEFA38



71FF7B

# Triad

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



DEFA38



00FFFF



FF9DFF

# Complementary

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



DEFA38



5438FA

# 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.



FFBBFF



DEFA38



00FEFF

# Square

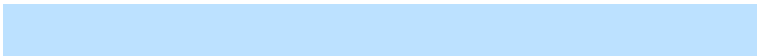
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



DEFA38



00FFFF



BCE1FF



FF9FB5

# Rectangle

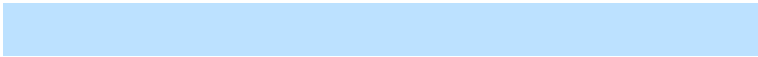
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DEFA38



00FFB2



BCE1FF



FFA5FF

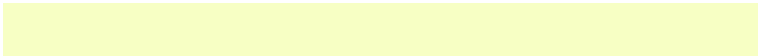


# Sweetspot

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



DEFA38



F7FFC4



FA5238



7A805C



000000



808080



# Same Dimension

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



DEFA38



Ddff12



7FFA38



7B7D70



A1BD00



343D00



# Inverse Universe

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



5438FA



3412FF



B338FA



72707D



1B00BD



09003D



# Previews

## White Background



This preview shows how the Hex color DEFA38 looks on a white background.

## Color Contrast Check

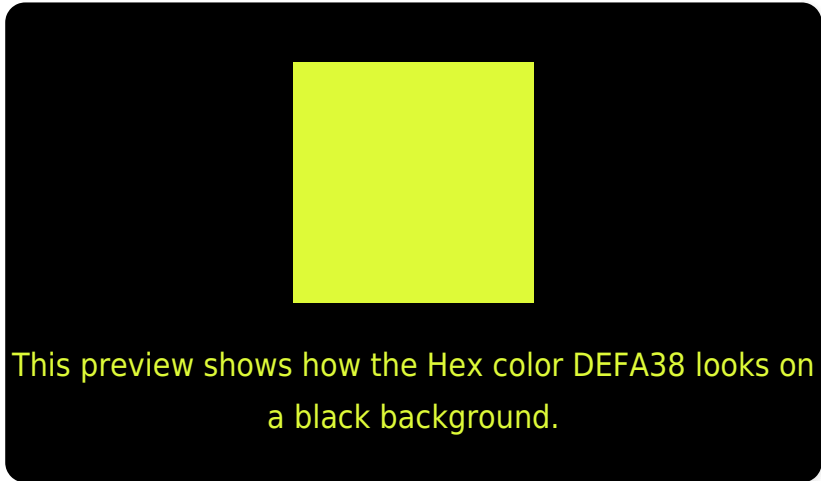
Large Text (above 18pt) WCAG AA × Fail

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 DEFA38 Background



This preview shows how black text looks on a background with the Hex color DEFA38.

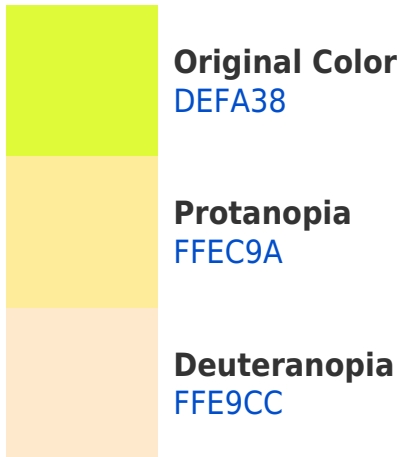


This preview shows how white text looks on a background with the Hex color DEFA38.

# 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



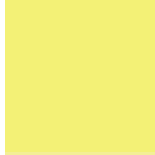


**Tritanopia**  
F0E9FB

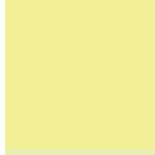
# Trichromacy



**Original Color**  
DEFA38



**Protanomaly**  
F3F176



**Deuteranomaly**  
F3EF96



**Tritanomaly**  
E9EFB4

# Monochromacy



**Original Color**  
DEFA38



**Achromatopsia**  
DCDCDC



**Achromatomaly**  
DDE7A0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DEFA38 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 #DEFA38 looks like.

```
.text, #text, p{  
    color:#DEFA38  
}
```

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 #DEFA38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DEFA38
}
```

## Border

The CSS property to change the border of an element to Hex DEFA38 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
#DEFA38 }
```

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

```
.border{ border-color:#DEFA38 }
```

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

Here you see how a box with a 4 pixel #DEFA38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DEFA38; -webkit-box-shadow:4px 4px  
4px 4px #DEFA38; box-shadow:4px 4px 4px  
4px #DEFA38 }
```

# Background

The CSS property to change the background color of an element to Hex DEFA38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DEFA38 }
```

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

```
.background{ background-color:#DEFA38 }
```

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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