

# Converting Colors

Hex(8DF731)

Have a look what the booklet for  
Hex(8DF731) contains.

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**Color**

**Hex(8DF731)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 8DF731                     |
| RGB           | 141, 247, 49               |
| RGB Percent   | 55%, 97%, 19%              |
| CMY           | 0.4471, 0.0314, 0.8078     |
| CMYK          | 0.43, 0.00, 0.80, 0.03     |
| HSL           | 92°, 93%, 58%              |
| HSV           | 92°, 80%, 97%              |
| XYZ           | 44.7996, 72.4060, 14.5203  |
| YIQ           | 192.7340, 0.3820, -84.0500 |

# Conversions

## Conversions Part 2

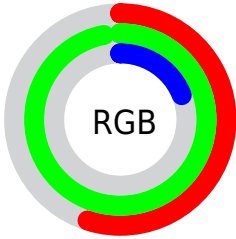
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">49, 247, 155</a>                 |
| Decimal                             | <a href="#">9303857</a>                      |
| CIELab                              | <a href="#">88.16, -59.86, 77.41</a>         |
| CIELCh                              | <a href="#">88, 97.858, 127.715</a>          |
| Yxy                                 | <a href="#">72.4060, 0.3401, 0.5497</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4287493937<br/>(0xFF8DF731)</a>  |
| YUV                                 | <a href="#">192.7340, -70.8609, -45.3707</a> |
| Hunter-Lab                          | <a href="#">85.0917, -54.9326, 49.4468</a>   |

# Details

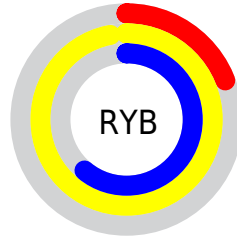
The Hex color **8DF731** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **9B31F7**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **CAFF70**, and **4EBE00** is the 20% darker color. If you saturate the color by 10%, you get **80F718**, and if you desaturate by 10%, it is **9AF74A**.

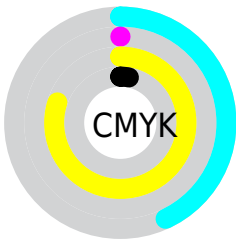
# Distribution



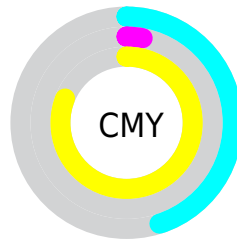
- Red (55%)
- Green (97%)
- Blue (19%)



- Red (19%)
- Yellow (97%)
- Blue (61%)



- Cyan (43%)
- Magenta (0%)
- Yellow (80%)
- Black (3%)



- Cyan (45%)
- Magenta (3%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8DF731 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 8DF731 by changing the saturation by 10% instead.



 8DF731

 8DF731

FFFFFF

 6EDA00

 CAFF70

 4EBE00

 E8FF8D

 28A200

 FFFFAA

 008700

 FFFFC8

 006D00

 FFFFE6

 005300

 003B00

 002300

 000000

 8DF731

 8DF731

 80F718

 9AF74A

 73F700

 A7F762

 B5F77B

 C2F794

 CFF7AD

 DCF7C5

 EAF7DE

 F7F7F7

 FFF7FF

# Harmonies

## Analogous

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



F2E100



8DF731



00FF92

# Triad

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



8DF731



00FAFF



FF77C9

# Complementary

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



8DF731



9B31F7

# 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.



FF8BFF



8DF731



00E1FF

# Square

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



8DF731



00FFFF



FDB9FF



FF9370

# Rectangle

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



8DF731



00FFD3



FDB9FF



FF78E8

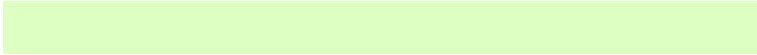


# Sweetspot

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



8DF731



DEFFC2



F79B31



6C805B



000000



808080



# Same Dimension

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



8DF731



7CFF0A



31F738



747A6E



56BA00



1B3B00



# Inverse Universe

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



9B31F7



8D0AFF



F731F0



756E7A



6400BA

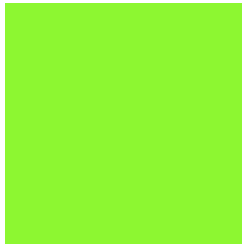


1F003B



# Previews

## White Background



This preview shows how the Hex color 8DF731 looks on a white background.

## Color Contrast Check

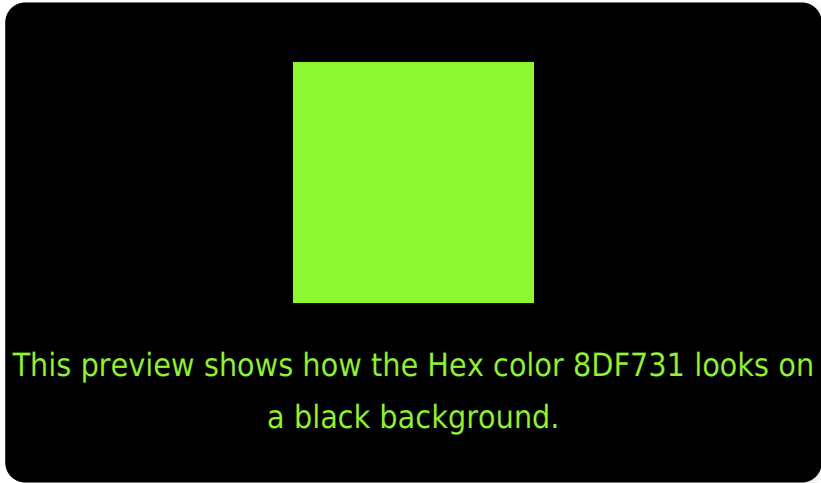
Large Text (above 18pt) WCAG AA × Fail

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

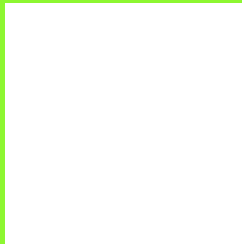
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 8DF731 Background



This preview shows how black text looks on a background with the Hex color 8DF731.

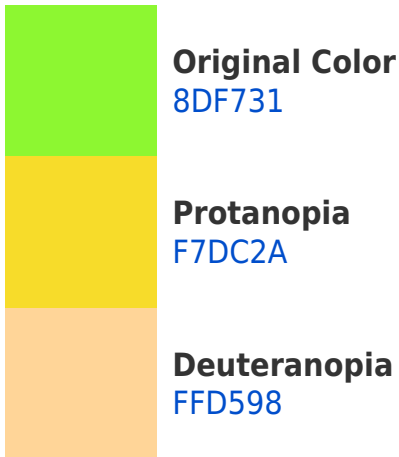


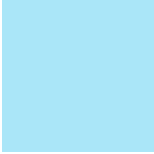
This preview shows how white text looks on a background with the Hex color 8DF731.

# 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



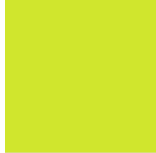


**Tritanopia**  
AAE6F8

# Trichromacy



**Original Color**  
8DF731



**Protanomaly**  
D0E62D

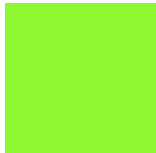


**Deuteranomaly**  
D6E173

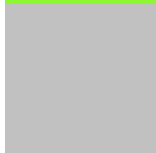


**Tritanomaly**  
9FECB0

# Monochromacy



**Original Color**  
8DF731



**Achromatopsia**  
C1C1C1



**Achromatomaly**  
AED58D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8DF731 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 #8DF731 looks like.

```
.text, #text, p{  
    color:#8DF731  
}
```

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 #8DF731 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8DF731
}
```

## Border

The CSS property to change the border of an element to Hex 8DF731 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
#8DF731 }
```

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

```
.border{ border-color:#8DF731 }
```

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

Here you see how a box with a 4 pixel #8DF731 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8DF731; -webkit-box-shadow:4px 4px  
4px 4px #8DF731; box-shadow:4px 4px 4px  
4px #8DF731 }
```

# Background

The CSS property to change the background color of an element to Hex 8DF731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8DF731 }
```

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

```
.background{ background-color:#8DF731 }
```

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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