

# Converting Colors

Hex(2DF434)

Have a look what the booklet for  
Hex(2DF434) contains.

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**Color**

**Hex(2DF434)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DF434
RGB	45, 244, 52
RGB Percent	18%, 96%, 20%
CMY	0.8235, 0.0431, 0.7961
CMYK	0.82, 0.00, 0.79, 0.04
HSL	122°, 90%, 57%
HSV	122°, 82%, 96%
XYZ	34.0527, 65.5072, 14.0982
YIQ	162.6110, -56.9720, -101.9000

# Conversions

## Conversions Part 2

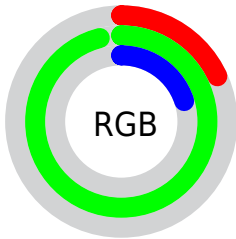
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 237, 244
Decimal	3011636
CIELab	84.74, -79.12, 72.52
CIElCh	85, 107.328, 137.495
Yxy	65.5072, 0.2996, 0.5764
Android (android.graphics.Color)	4281201716 (0xFF2DF434)
YUV	162.6110, -54.5312, -103.1448
Hunter-Lab	80.9365, -66.5380, 46.3279

# Details

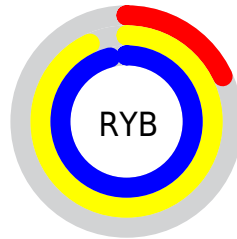
The Hex color **2DF434** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **F42DED**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **80FF71**, and **00BA00** is the 20% darker color. If you saturate the color by 10%, you get **15F41C**, and if you desaturate by 10%, it is **45F44C**.

# Distribution



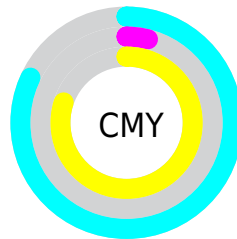
- Red (18%)
- Green (96%)
- Blue (20%)



- Red (18%)
- Yellow (93%)
- Blue (96%)



- Cyan (82%)
- Magenta (0%)
- Yellow (79%)
- Black (4%)



- Cyan (82%)
- Magenta (4%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DF434 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 2DF434 by changing the saturation by 10% instead.



 2DF434

 2DF434


FFFFFF

 00D701

 80FF71

 00BA00

 A1FF8E

 009E00

 C2FFAB

 008200

 E2FFC8

 006700

 FFFFE6

 004D00

 003400

 001900

 000000

 2DF434

 2DF434

 15F41C

 45F44C

 00F409

 5EF463

 76F47B

 8FF492

 A7F4AA

 BFF4C1

 D8F4D9

 F0F4F0

 FFF4FF

# Harmonies

## Analogous

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



C7E100



2DF434



00FDA4

# Triad

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



2DF434



00ECFF



FF5C9D

# Complementary

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



2DF434



F42DED

# 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.



FF60FF



2DF434



49CBFF

# Square

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



2DF434



00FCFF



FF99FF



FF8F3B

# Rectangle

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



2DF434



00FFEB



FF99FF



FF53BF

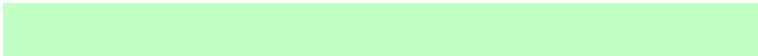


# Sweetspot

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



2DF434



C2FFC4



EDF42D



5B805C



000000



808080



# Same Dimension

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



2DF434



05FF0E



2DF497



6E7A6F



00BA07



003B02



# Inverse Universe

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



F42DED



FF05F6



F42D8A



7A6E7A



BA00B4

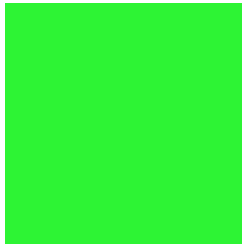


3B0039



# Previews

## White Background



This preview shows how the Hex color 2DF434 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 2DF434 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 2DF434 Background



This preview shows how black text looks on a background with the Hex color 2DF434.

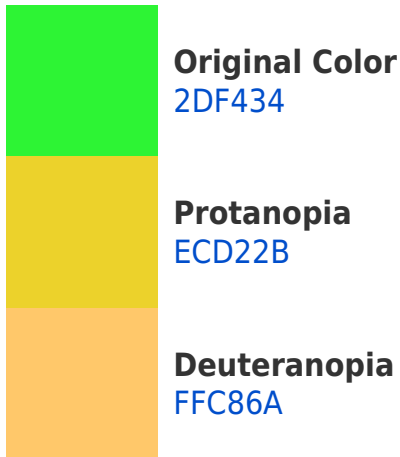


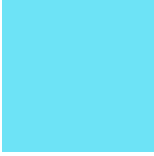
This preview shows how white text looks on a background with the Hex color 2DF434.

# 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](#).

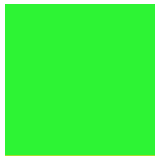
## Dichromacy





**Tritanopia**  
6DE3F6

# Trichromacy



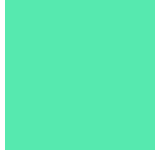
**Original Color**  
2DF434



**Protanomaly**  
A7DE2E



**Deuteranomaly**  
B3D856



**Tritanomaly**  
56E9AF

# Monochromacy



**Original Color**  
2DF434



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
78C07B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DF434 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 #2DF434 looks like.

```
.text, #text, p{  
    color:#2DF434  
}
```

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 #2DF434 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DF434
}
```

## Border

The CSS property to change the border of an element to Hex 2DF434 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
#2DF434 }
```

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

```
.border{ border-color:#2DF434 }
```

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

Here you see how a box with a 4 pixel #2DF434 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DF434; -webkit-box-shadow:4px 4px  
4px 4px #2DF434; box-shadow:4px 4px 4px  
4px #2DF434 }
```

# Background

The CSS property to change the background color of an element to Hex 2DF434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DF434 }
```

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

```
.background{ background-color:#2DF434 }
```

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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