

# Converting Colors

Hex(2DF103)

Have a look what the booklet for  
Hex(2DF103) contains.

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**Color**

**Hex(2DF103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DF103
RGB	45, 241, 3
RGB Percent	18%, 95%, 1%
CMY	0.8235, 0.0549, 0.9882
CMYK	0.81, 0.00, 0.99, 0.05
HSL	109°, 98%, 48%
HSV	109°, 99%, 95%
XYZ	32.5539, 63.4751, 10.6223
YIQ	155.2640, -40.4180, -115.5700

# Conversions

## Conversions Part 2

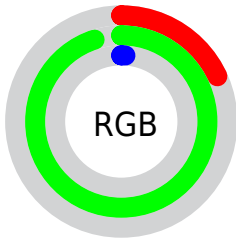
Format	Color
<a href="#">RYB</a>	<a href="#">3, 241, 199</a>
Decimal	<a href="#">3010819</a>
CIELab	<a href="#">83.69, -79.87, 79.81</a>
CIELCh	<a href="#">84, 112.916, 135.022</a>
Yxy	<a href="#">63.4751, 0.3052, 0.5952</a>
Android (android.graphics.Color)	<a href="#">4281200899 (0xFF2DF103)</a>
YUV	<a href="#">155.2640, -75.0662, -96.7015</a>
Hunter-Lab	<a href="#">79.6712, -66.4890, 47.8649</a>

# Details

The Hex color **2DF103** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **C703F1**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **80FF5A**, and **00B700** is the 20% darker color. If you saturate the color by 10%, you get **2BF100**, and if you desaturate by 10%, it is **41F11B**.

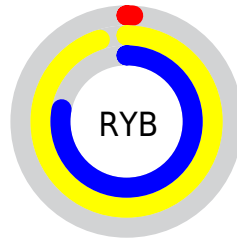
# Distribution



Red (18%)

Green (95%)

Blue (1%)



Red (1%)

Yellow (95%)

Blue (78%)

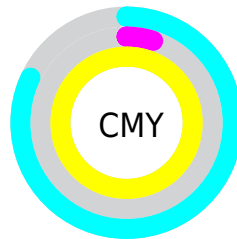


Cyan (81%)

Magenta (0%)

Yellow (99%)

Black (5%)



Cyan (82%)

Magenta (5%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DF103 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 2DF103 by changing the saturation by 10% instead.



 2DF103

 2DF103

FFFFFF

 00D400

 80FF5A

 00B700

 A2FF78

 009B00

 C2FF96

 008000

 E3FFB3

 006500

 FFFFD1

 004B00

 FFFFEE

 003200

 001500

 000000

 2DF103

 2DF103

 2BF100

 41F11B

 55F133

 69F14B

 7CF163

 90F17B

 A4F194

 B8F1AC

 CCF1C4

 E0F1DC

# Harmonies

## Analogous

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



CADC00



2DF103



00FB95

# Triad

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



2DF103



00ECFF



FF42A1

# Complementary

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



2DF103



C703F1

# 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.



FF52FF



2DF103



00CCFF

# Square

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



2DF103



00FBFF



FF96FF



FF8137

# Rectangle

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



2DF103



00FEE0



FF96FF



FF39C4

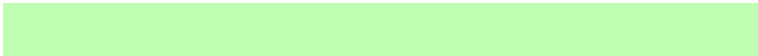


# Sweetspot

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



2DF103



C0FFB3



F1C503



5A8052



000000



808080



# Same Dimension

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



2DF103



2DFF00



03F14E



6E786C



20B800



0A3800



# Inverse Universe

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



C703F1



D200FF



F103A6



766C78



9700B8

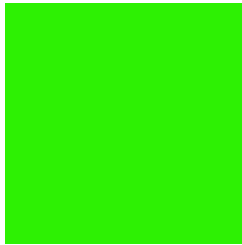


2E0038



# Previews

## White Background



This preview shows how the Hex color 2DF103 looks on a white background.

## Color Contrast Check

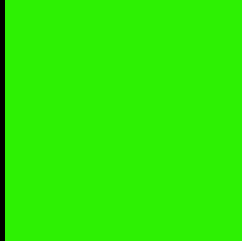
Large Text (above 18pt) WCAG AA × Fail

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 2DF103 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 2DF103 Background



This preview shows how black text looks on a background with the Hex color 2DF103.

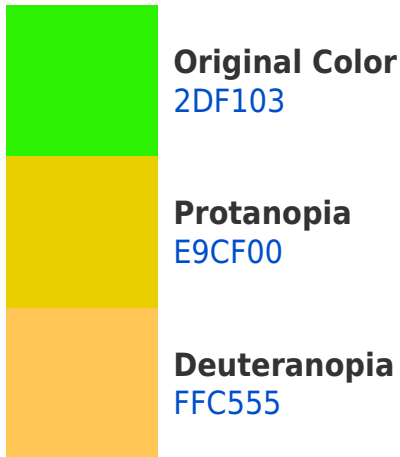


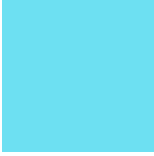
This preview shows how white text looks on a background with the Hex color 2DF103.

# 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](#).

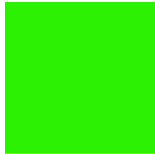
## Dichromacy





**Tritanopia**  
6DE0F2

# Trichromacy



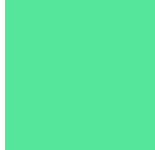
**Original Color**  
2DF103



**Protanomaly**  
A5DB01

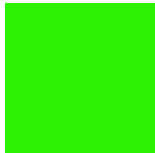


**Deuteranomaly**  
B3D537



**Tritanomaly**  
56E69B

# Monochromacy



**Original Color**  
2DF103



**Achromatopsia**  
9B9B9B



**Achromatomaly**  
73BA64

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DF103 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 #2DF103 looks like.

```
.text, #text, p{  
    color:#2DF103  
}
```

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 #2DF103 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DF103
}
```

## Border

The CSS property to change the border of an element to Hex 2DF103 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
#2DF103 }
```

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

```
.border{ border-color:#2DF103 }
```

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

Here you see how a box with a 4 pixel #2DF103 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DF103; -webkit-box-shadow:4px 4px  
4px 4px #2DF103; box-shadow:4px 4px 4px  
4px #2DF103 }
```

# Background

The CSS property to change the background color of an element to Hex 2DF103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DF103 }
```

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

```
.background{ background-color:#2DF103 }
```

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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