

# Converting Colors

Hex(31DF2D)

Have a look what the booklet for  
Hex(31DF2D) contains.

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**Color**

**Hex(31DF2D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31DF2D
RGB	49, 223, 45
RGB Percent	19%, 87%, 18%
CMY	0.8078, 0.1255, 0.8235
CMYK	0.78, 0.00, 0.80, 0.13
HSL	119°, 74%, 53%
HSV	119°, 80%, 87%
XYZ	28.1280, 53.6178, 11.3494
YIQ	150.6820, -46.5660, -92.2460

# Conversions

## Conversions Part 2

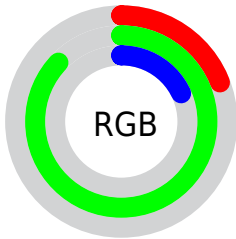
Format	Color
<a href="#">RYB</a>	<a href="#">45, 223, 219</a>
Decimal	<a href="#">3268397</a>
CIELab	<a href="#">78.24, -73.00, 68.36</a>
CIELCh	<a href="#">78, 100.008, 136.882</a>
Yxy	<a href="#">53.6178, 0.3021, 0.5759</a>
Android (android.graphics.Color)	<a href="#">4281458477 (0xFF31DF2D)</a>
YUV	<a href="#">150.6820, -52.1012, -89.1751</a>
Hunter-Lab	<a href="#">73.2242, -59.5742, 42.0672</a>

# Details

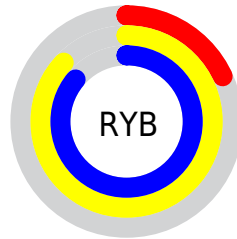
The Hex color **31DF2D** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **DB2DDF**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **7DFF69**, and **00A600** is the 20% darker color. If you saturate the color by 10%, you get **1BDF17**, and if you desaturate by 10%, it is **47DF43**.

# Distribution



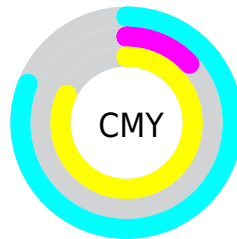
- Red (19%)
- Green (87%)
- Blue (18%)



- Red (18%)
- Yellow (87%)
- Blue (86%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (13%)



- Cyan (81%)
- Magenta (13%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31DF2D 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 31DF2D by changing the saturation by 10% instead.



 31DF2D

 31DF2D

FFFFFF

 00C200

 7DFF69

 00A600

 9DFF86

 008B00

 BDFFA2

 007000

 DCFFBF

 005600

 FCFFDC


 003D00

 FFFFFA

 002300

 000000

 31DF2D

 31DF2D

 1BDF17

 47DF43

 05DF00

 5DDF5A

 72DF70

 88DF86

 9EDF9D

 B4DFB3

 CADFC9

 DFD FDF

 F5DFF6

# Harmonies

## Analogous

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



B8CD00



31DF2D



00E894

# Triad

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



31DF2D



00D8FF



FF5492

# Complementary

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



31DF2D



DB2DDF

# 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.



FF59EE



31DF2D



38BBFF

# Square

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



31DF2D



00E7FF



FF8DFF



FF8238

# Rectangle

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



31DF2D



00EAD5



FF8DFF



FF4DB0

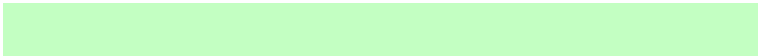


# Sweetspot

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



31DF2D



C3FFC2



DFD92D



5B805B



000000



808080



# Same Dimension

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



31DF2D



10FF0A



2DDF80



657065



04B000



013000



# Inverse Universe

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



DB2DDF



F90AFF



DF2D8C



706570



AC00B0

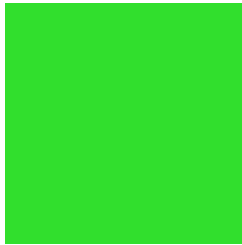


2F0030



# Previews

## White Background



This preview shows how the Hex color 31DF2D looks on a white background.

## Color Contrast Check

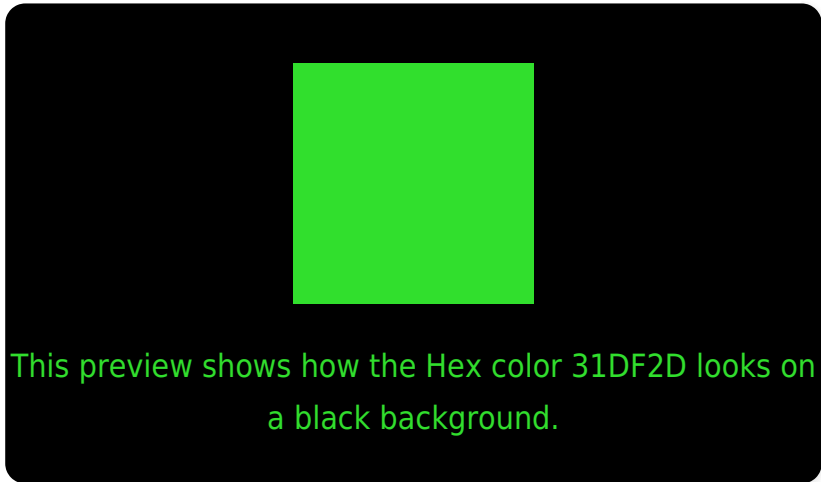
Large Text (above 18pt) WCAG AA × Fail

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 31DF2D Background



This preview shows how black text looks on a background with the Hex color 31DF2D.

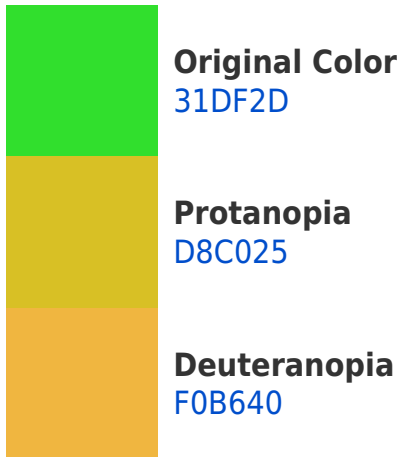


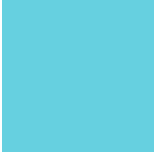
This preview shows how white text looks on a background with the Hex color 31DF2D.

# 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](#).

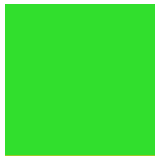
## Dichromacy





**Tritanopia**  
66D0E0

# Trichromacy



**Original Color**

31DF2D



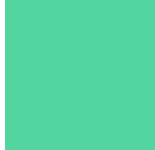
**Protanomaly**

9BCB28



**Deuteranomaly**

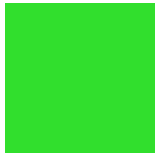
ABC539



**Tritanomaly**

53D59F

# Monochromacy



**Original Color**

31DF2D



**Achromatopsia**

979797



**Achromatomaly**

72B170

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31DF2D 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 #31DF2D looks like.

```
.text, #text, p{  
    color:#31DF2D  
}
```

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 #31DF2D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31DF2D
}
```

## Border

The CSS property to change the border of an element to Hex 31DF2D 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
#31DF2D }
```

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

```
.border{ border-color:#31DF2D }
```

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

Here you see how a box with a 4 pixel #31DF2D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31DF2D; -webkit-box-shadow:4px 4px  
4px 4px #31DF2D; box-shadow:4px 4px 4px  
4px #31DF2D }
```

# Background

The CSS property to change the background color of an element to Hex 31DF2D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31DF2D }
```

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

```
.background{ background-color:#31DF2D }
```

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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