

# Converting Colors

Hex(27D401)

Have a look what the booklet for  
Hex(27D401) contains.

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**Color**

**Hex(27D401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27D401
RGB	39, 212, 1
RGB Percent	15%, 83%, 0%
CMY	0.8471, 0.1686, 0.9961
CMYK	0.82, 0.00, 1.00, 0.17
HSL	109°, 99%, 42%
HSV	109°, 100%, 83%
XYZ	24.3857, 47.5205, 7.9158
YIQ	136.2190, -35.3770, -102.2970

# Conversions

## Conversions Part 2

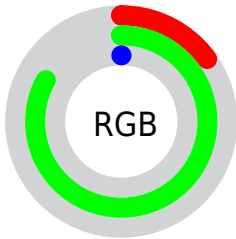
Format	Color
R <sub>YB</sub>	1, 212, 174
Decimal	2610177
CIE Lab	74.52, -72.47, 72.60
CIE LCh	75, 102.576, 134.947
Yxy	47.5205, 0.3055, 0.5953
Android (android.graphics.Color)	4280800257 (0xFF27D401)
YUV	136.2190, -66.6630, -85.2611
Hunter-Lab	68.9351, -57.4924, 41.4463

# Details

The Hex color **27D401** 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 **AE01D4**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **77FF53**, and **009C00** is the 20% darker color. If you saturate the color by 10%, you get **26D400**, and if you desaturate by 10%, it is **38D416**.

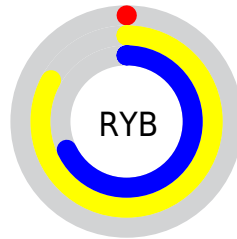
# Distribution



Red (15%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (68%)

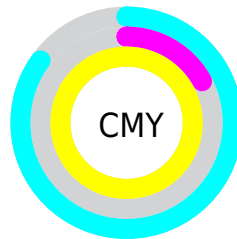


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (85%)

Magenta (17%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27D401 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 27D401 by changing the saturation by 10% instead.



 27D401

 27D401

FFFFFF

 00B800

 77FF53

 009C00

 97FF71

 008000

 B7FF8E

 006600

 D6FFAA

 004C00

 F5FFC8

 003400

 FFFFE5

 001800

 000000

 27D401

 27D401

 26D400

 38D416

 4AD42B

 5BD441

 6DD456

 7ED46B

 8FD480

 A1D495

 B2D4AB

 C3D4C0

# Harmonies

## Analogous

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



B2C200



27D401



00DD83

# Triad

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



27D401



00D0FF



FF398D

# Complementary

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



27D401



AE01D4

# 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.



FF47EB



27D401



00B3FF

# Square

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



27D401



00DDFF



F384FF



FF7130

# Rectangle

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



27D401



00DFC5



F384FF



FF30AC

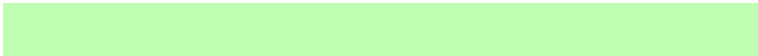


# Sweetspot

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



27D401



C0FFB3



D4AD01



5A8052



000000



808080



# Same Dimension

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



27D401



2EFF00



01D444



626B60



1FAB00



082B00



# Inverse Universe

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



AE01D4



D100FF



D40191



69606B



8C00AB

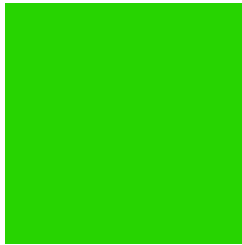


24002B



# Previews

## White Background



This preview shows how the Hex color 27D401 looks on a white background.

## Color Contrast Check

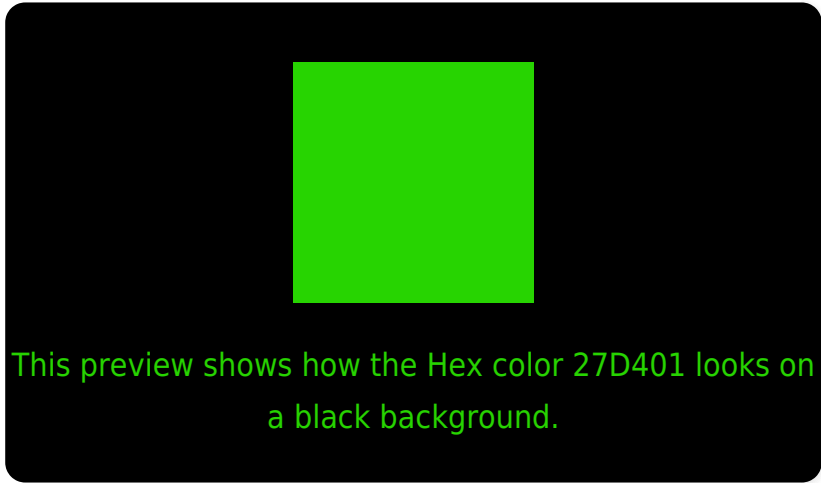
Large Text (above 18pt) WCAG AA × Fail

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 27D401 Background



This preview shows how black text looks on a background with the Hex color 27D401.

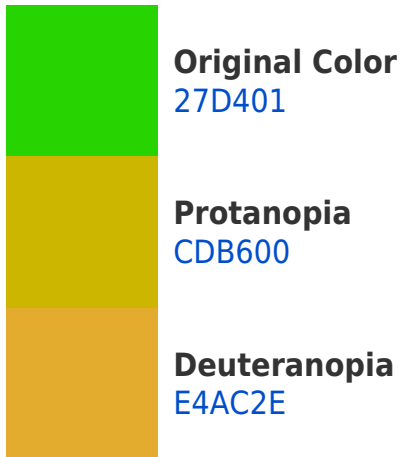


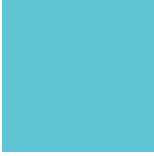
This preview shows how white text looks on a background with the Hex color 27D401.

# 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](#).

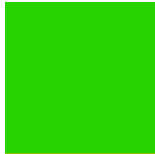
## Dichromacy





**Tritanopia**  
5FC5D5

# Trichromacy



**Original Color**  
27D401



**Protanomaly**  
91C100



**Deuteranomaly**  
9FBB1E



**Tritanomaly**  
4BCA88

# Monochromacy



**Original Color**  
27D401



**Achromatopsia**  
888888



**Achromatomaly**  
65A457

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27D401 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 #27D401 looks like.

```
.text, #text, p{  
    color:#27D401  
}
```

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 #27D401 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27D401
}
```

## Border

The CSS property to change the border of an element to Hex 27D401 is called "border". The border property can be set on classes, ids or directly on the HTML element.

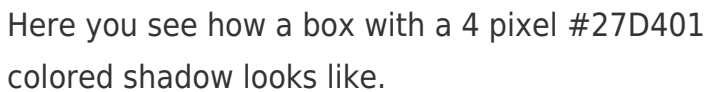
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#27D401 }
```

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

```
.border{ border-color:#27D401 }
```

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



Here you see how a box with a 4 pixel #27D401 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27D401; -webkit-box-shadow:4px 4px  
4px 4px #27D401; box-shadow:4px 4px 4px  
4px #27D401 }
```

# Background

The CSS property to change the background color of an element to Hex 27D401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27D401 }
```

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

```
.background{ background-color:#27D401 }
```

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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