

# Converting Colors

Hex(28DA00)

Have a look what the booklet for  
Hex(28DA00) contains.

<b>Hex(28DA00)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(28DA00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28DA00
RGB	40, 218, 0
RGB Percent	16%, 85%, 0%
CMY	0.8431, 0.1451, 1.0000
CMYK	0.82, 0.00, 1.00, 0.15
HSL	109°, 100%, 43%
HSV	109°, 100%, 85%
XYZ	25.9465, 50.5939, 8.3981
YIQ	139.9260, -36.1100, -105.5340

# Conversions

## Conversions Part 2

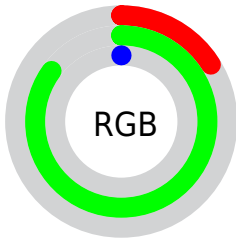
Format	Color
<b>RYB</b>	0, 218, 178
Decimal	2677248
CIELab	76.43, -74.06, 74.23
CIELCh	76, 104.861, 134.935
Yxy	50.5939, 0.3055, 0.5957
Android (android.graphics.Color)	4280867328 (0xFF28DA00)
YUV	139.9260, -68.9835, -87.6351
Hunter-Lab	71.1294, -59.3635, 42.7903

# Details

The Hex color **28DA00** 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 **B200DA**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **78FF55**, and **00A100** is the 20% darker color. If you saturate the color by 10%, you get **28DA00**, and if you desaturate by 10%, it is **3ADA16**.

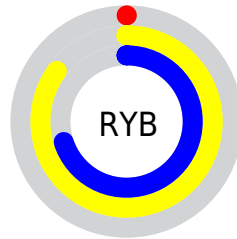
# Distribution



Red (16%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (70%)

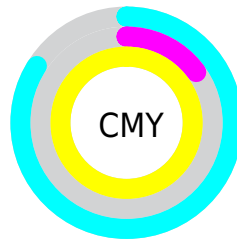


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (84%)

Magenta (15%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28DA00 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 28DA00 by changing the saturation by 10% instead.



 28DA00

 28DA00

FFFFFF

 00BD00

 78FF55

 00A100

 99FF72

 008600

 B9FF8F

 006B00

 D8FFAC

 005100

 F8FFC9

 003900

 FFFFE7

 001F00

 000000

 28DA00

 3ADA16

 4CDA2C

 5DDA41

 6FDA57

 81DA6D

 93DA83

 A5DA99

 B6DAAE

 C8DAC4

# Harmonies

## Analogous

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



B7C700



28DA00



00E386

# Triad

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



28DA00



00D6FF



FF3A91

# Complementary

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



28DA00



B200DA

# 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.



FF49F2



28DA00



00B8FF

# Square

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



28DA00



00E3FF



FA87FF



FF7431

# Rectangle

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



28DA00



00E6CB



FA87FF



FF31B1

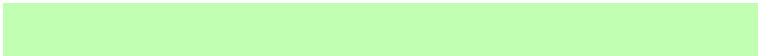


# Sweetspot

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



28DA00



C1FFB3



DAAE00



5A8052



000000



808080



# Same Dimension

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



28DA00



2FFF00



00DA41



656E63



20AD00



082E00



# Inverse Universe

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



B200DA



D000FF



DA0099



6C636E



8E00AD

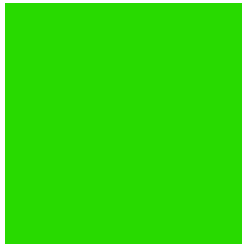


25002E



# Previews

## White Background



This preview shows how the Hex color 28DA00 looks on a white background.

## Color Contrast Check

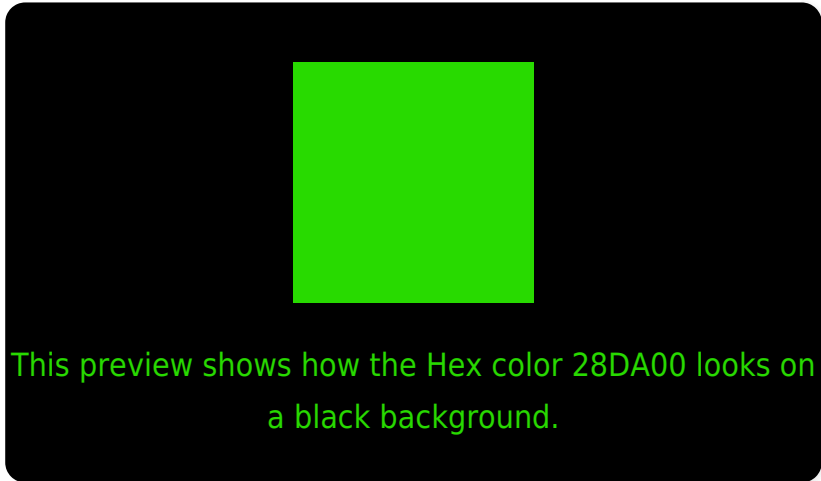
Large Text (above 18pt) WCAG AA × Fail

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 28DA00 Background



This preview shows how black text looks on a background with the Hex color 28DA00.

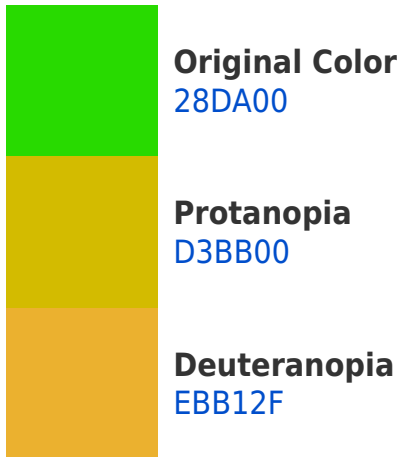


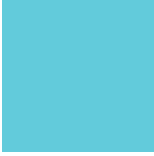
This preview shows how white text looks on a background with the Hex color 28DA00.

# 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](#).

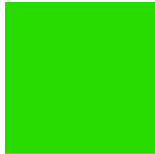
## Dichromacy





**Tritanopia**  
62CBDB

# Trichromacy



**Original Color**  
28DA00



**Protanomaly**  
95C600



**Deuteranomaly**  
A4C01E



**Tritanomaly**  
4DD08B

# Monochromacy



**Original Color**  
28DA00



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
68A859

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28DA00 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 #28DA00 looks like.

```
.text, #text, p{  
    color:#28DA00  
}
```

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 #28DA00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28DA00
}
```

## Border

The CSS property to change the border of an element to Hex 28DA00 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
#28DA00 }
```

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

```
.border{ border-color:#28DA00 }
```

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

Here you see how a box with a 4 pixel #28DA00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28DA00; -webkit-box-shadow:4px 4px  
4px 4px #28DA00; box-shadow:4px 4px 4px  
4px #28DA00 }
```

# Background

The CSS property to change the background color of an element to Hex 28DA00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28DA00 }
```

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

```
.background{ background-color:#28DA00 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor