

# Converting Colors

Hex(28DE21)

Have a look what the booklet for  
Hex(28DE21) contains.

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# **Color**

**Hex(28DE21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28DE21
RGB	40, 222, 33
RGB Percent	16%, 87%, 13%
CMY	0.8431, 0.1294, 0.8706
CMYK	0.82, 0.00, 0.85, 0.13
HSL	118°, 74%, 50%
HSV	118°, 85%, 87%
XYZ	27.2709, 52.8035, 10.1936
YIQ	146.0360, -47.8030, -97.3630

# Conversions

## Conversions Part 2

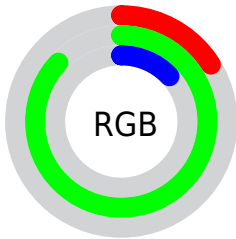
Format	Color
<a href="#">RYB</a>	<a href="#">33, 222, 215</a>
Decimal	<a href="#">2678305</a>
CIELab	<a href="#">77.76, -74.35, 70.84</a>
CIELCh	<a href="#">78, 102.697, 136.387</a>
Yxy	<a href="#">52.8035, 0.3021, 0.5850</a>
Android (android.graphics.Color)	<a href="#">4280868385</a> ( <a href="#">0xFF28DE21</a> )
YUV	<a href="#">146.0360, -55.7267, -92.9936</a>
Hunter-Lab	<a href="#">72.6660, -60.1761, 42.5490</a>

# Details

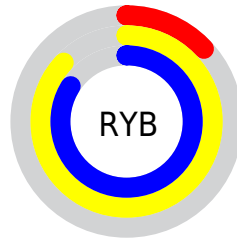
The Hex color **28DE21** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **D721DE**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **79FF62**, and **00A500** is the 20% darker color. If you saturate the color by 10%, you get **13DE0B**, and if you desaturate by 10%, it is **3DDE37**.

# Distribution



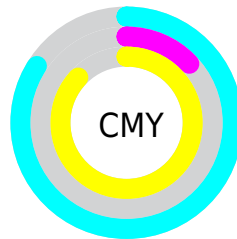
- Red (16%)
- Green (87%)
- Blue (13%)



- Red (13%)
- Yellow (87%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (85%)
- Black (13%)



- Cyan (84%)
- Magenta (13%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28DE21 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 28DE21 by changing the saturation by 10% instead.



 28DE21

 28DE21

FFFFFF

 00C100

 79FF62

 00A500

 9AFF7E

 008A00

 B9FF9B

 006F00

 D9FFB8

 005400

 F8FFD5

 003C00

 FFFFF3

 002200

 000000

 28DE21

 28DE21

 13DE0B

 3DDE37

 08DE00

 53DE4D

 68DE64

 7EDE7A

 93DE90

 A8DEA6

 BEDEBC

 D3DED3

 E8DEE9

# Harmonies

## Analogous

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



B7CC00



28DE21



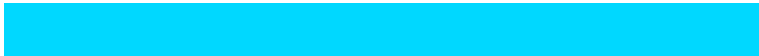
00E790

# Triad

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



28DE21



00D8FF



FF4A91

# Complementary

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



28DE21



D721DE

# 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.



FF52F0



28DE21



00BAFF

# Square

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



28DE21



00E6FF



FF8AFF



FF7D33

# Rectangle

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



28DE21



00E9D3



FF8AFF



FF42B0

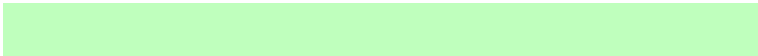


# Sweetspot

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



28DE21



BFFFBD



DED521



598058



000000



808080



# Same Dimension

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



28DE21



09FF00



21DE76



657065



07B000



023000



# Inverse Universe

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



D721DE



F600FF



DE2189



706570



A900B0

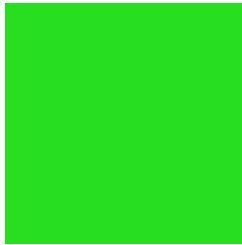


2F0030



# Previews

## White Background



This preview shows how the Hex color 28DE21 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 28DE21 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 28DE21 Background



This preview shows how black text looks on a background with the Hex color 28DE21.



This preview shows how white text looks on a background with the Hex color 28DE21.

# 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](#).

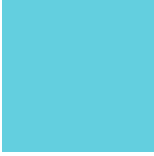
## Dichromacy



**Original Color**  
28DE21

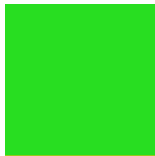
**Protanopia**  
D7BF18

**Deuteranopia**  
EFB539



**Tritanopia**  
63CFDF

# Trichromacy



**Original Color**  
28DE21



**Protanomaly**  
97CA1B



**Deuteranomaly**  
A7C430



**Tritanomaly**  
4ED49A

# Monochromacy



**Original Color**  
28DE21



**Achromatopsia**  
929292



**Achromatomaly**  
6BAE69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28DE21 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 #28DE21 looks like.

```
.text, #text, p{  
    color:#28DE21  
}
```

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 #28DE21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28DE21
}
```

## Border

The CSS property to change the border of an element to Hex 28DE21 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
#28DE21 }
```

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

```
.border{ border-color:#28DE21 }
```

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

Here you see how a box with a 4 pixel #28DE21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28DE21; -webkit-box-shadow:4px 4px  
4px 4px #28DE21; box-shadow:4px 4px 4px  
4px #28DE21 }
```

# Background

The CSS property to change the background color of an element to Hex 28DE21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28DE21 }
```

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

```
.background{ background-color:#28DE21 }
```

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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