

Converting Colors

Hex(28DF42)

Have a look what the booklet for
Hex(28DF42) contains.

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Color

Hex(28DF42)

Conversions

Conversions Part 1

Format	Color
Hex	28DF42
RGB	40, 223, 66
RGB Percent	16%, 87%, 26%
CMY	0.8431, 0.1255, 0.7412
CMYK	0.82, 0.00, 0.70, 0.13
HSL	129°, 74%, 52%
HSV	129°, 82%, 87%
XYZ	28.2461, 53.6198, 14.0152
YIQ	150.3850, -58.6710, -87.6230

Conversions

Conversions Part 2

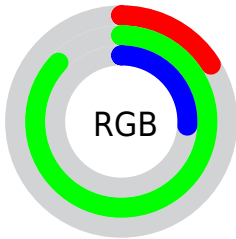
Format	Color
RYB	40, 200, 223
Decimal	2678594
CIELab	78.24, -72.54, 61.50
CIELCh	78, 95.102, 139.708
Yxy	53.6198, 0.2946, 0.5592
Android (android.graphics.Color)	4280868674 (0xFF28DF42)
YUV	150.3850, -41.6018, -96.8076
Hunter-Lab	73.2256, -59.2899, 39.9099

Details

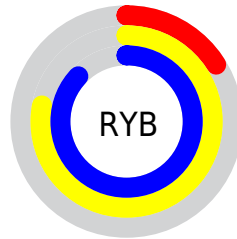
The Hex color **28DF42** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **DF28C5**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **78FF7A**, and **00A600** is the 20% darker color. If you saturate the color by 10%, you get **12DF2F**, and if you desaturate by 10%, it is **3EDF55**.

Distribution



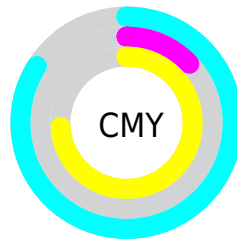
- Red (16%)
- Green (87%)
- Blue (26%)



- Red (16%)
- Yellow (78%)
- Blue (87%)



- Cyan (82%)
- Magenta (0%)
- Yellow (70%)
- Black (13%)



- Cyan (84%)
- Magenta (13%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 28DF42 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 28DF42 by changing the saturation by 10% instead.

 28DF42

 28DF42

FFFFFF

 00C223

 78FF7A

 00A600

 98FF96

 008B00

 B8FFB2

 007000

 D7FFCF

 005500

 F7FFEC

 003D00

 002300

 000000

 28DF42

 28DF42

 12DF2F

 3EDF55

 00DF20

 55DF68

 6BDF7B

 81DF8F

 98DFA2

 AEDFB5

 C4DFC8

 DADFDB

 F1DFEE

Harmonies

Analogous

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



B1CF00



28DF42



00E79F

Triad

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



28DF42



00D5FF



FF618C

Complementary

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



28DF42



DF28C5

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.



FF61E4



28DF42



71B7FF

Square

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



28DF42



00E4FF



FF8CFF



FF8B37

Rectangle

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



28DF42



00E9DD



FF8CFF



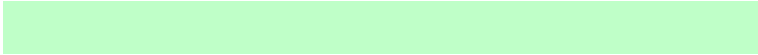
FF5AA9

Sweetspot

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



28DF42



BFFFC8



C7DF28



59805F



000000



808080

Same Dimension

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



28DF42



05FF29



28DF9C



657067



00B019



003007

Inverse Universe

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



DF28C5



FF05DB



DF286B



70656F



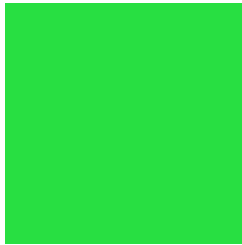
B00097



30002A

Previews

White Background



This preview shows how the Hex color 28DF42 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 28DF42 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

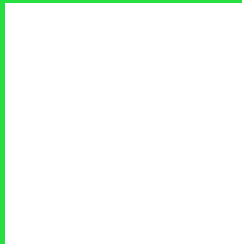
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 28DF42 Background



This preview shows how black text looks on a background with the Hex color 28DF42.

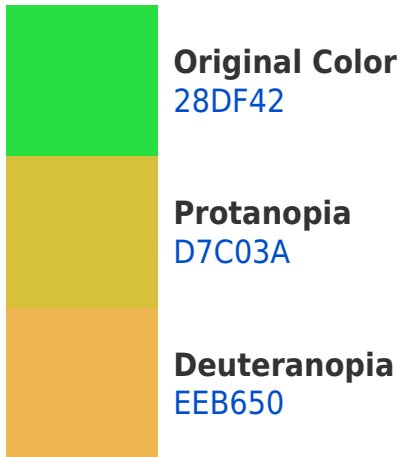


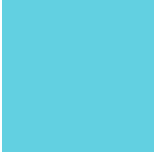
This preview shows how white text looks on a background with the Hex color 28DF42.

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](#).

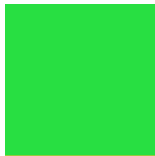
Dichromacy





Tritanopia
62D0E1

Trichromacy



Original Color
28DF42



Protanomaly
97CB3D



Deuteranomaly
A6C54B



Tritanomaly
4DD5A7

Monochromacy



Original Color
28DF42



Achromatopsia
969696



Achromatomaly
6EB177

CSS Examples

Text

The CSS property to change the color of the text to Hex 28DF42 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 #28DF42 looks like.

```
.text, #text, p{  
    color:#28DF42  
}
```

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 #28DF42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28DF42
}
```

Border

The CSS property to change the border of an element to Hex 28DF42 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
#28DF42 }
```

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

```
.border{ border-color:#28DF42 }
```

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

Here you see how a box with a 4 pixel #28DF42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28DF42; -webkit-box-shadow:4px 4px  
4px 4px #28DF42; box-shadow:4px 4px 4px  
4px #28DF42 }
```

Background

The CSS property to change the background color of an element to Hex 28DF42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28DF42 }
```

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

```
.background{ background-color:#28DF42 }
```

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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