

Converting Colors

Hex(42DE13)

Have a look what the booklet for
Hex(42DE13) contains.

Hex(42DE13)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(42DE13)

Conversions

Conversions Part 1

Format	Color
Hex	42DE13
RGB	66, 222, 19
RGB Percent	26%, 87%, 7%
CMY	0.7412, 0.1294, 0.9255
CMYK	0.70, 0.00, 0.91, 0.13
HSL	106°, 84%, 47%
HSV	106°, 91%, 87%
XYZ	28.4856, 53.4478, 9.4312
YIQ	152.2140, -27.8130, -96.2050

Conversions

Conversions Part 2

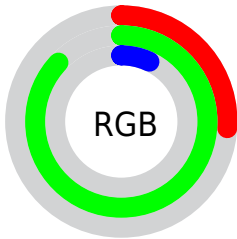
Format	Color
RYB	19, 222, 175
Decimal	4382227
CIELab	78.14, -71.17, 73.82
CIELCh	78, 102.535, 133.952
Yxy	53.4478, 0.3118, 0.5850
Android (android.graphics.Color)	4282572307 (0xFF42DE13)
YUV	152.2140, -65.6745, -75.6097
Hunter-Lab	73.1080, -58.3888, 43.5270

Details

The Hex color **42DE13** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **AF13DE**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **88FF5B**, and **00A500** is the 20% darker color. If you saturate the color by 10%, you get **33DE00**, and if you desaturate by 10%, it is **53DE29**.

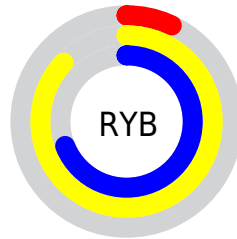
Distribution



Red (26%)

Green (87%)

Blue (7%)



Red (7%)

Yellow (87%)

Blue (69%)

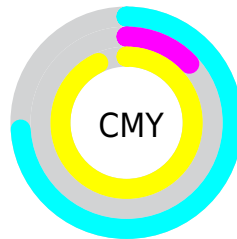


Cyan (70%)

Magenta (0%)

Yellow (91%)

Black (13%)



Cyan (74%)

Magenta (13%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42DE13 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 42DE13 by changing the saturation by 10% instead.

 42DE13

 42DE13

FFFFFF

 00C100

 88FF5B

 00A500

 A8FF78

 008A00

 C7FF95

 006F00

 E6FFB2

 005500

 FFFFCF

 003D00

 FFFFED

 002300

 000000

 42DE13

 42DE13

 33DE00

 53DE29

 64DE3F

 75DE56

 86DE6C

 97DE82

 A8DE98

 B9DEAE

 CADEC5

 DCDEDB

Harmonies

Analogous

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



C0CB00



42DE13



00E789

Triad

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



42DE13



00DBFF



FF4999

Complementary

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



42DE13



AF13DE

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.



FF58F8



42DE13



00BEFF

Square

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



42DE13



00E8FF



FA90FF



FF7A3D

Rectangle

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



42DE13



00EACC



FA90FF



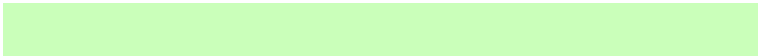
FF44B9

Sweetspot

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



42DE13



CAFFBA



DEAF13



608057



000000



808080

Same Dimension

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



42DE13



3BFF00



13DE49



687065



29B000



0B3000

Inverse Universe

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



AF13DE



C400FF



DE13A8



6E6570



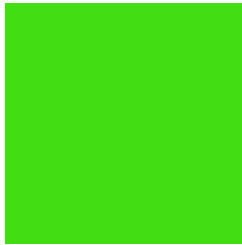
8700B0



250030

Previews

White Background



This preview shows how the Hex color 42DE13 looks on a white background.

Color Contrast Check

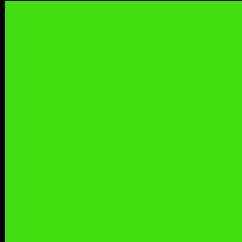
Large Text (above 18pt) WCAG AA × Fail

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 42DE13 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

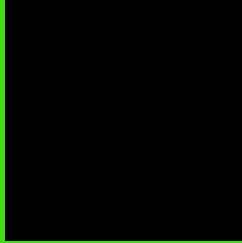
Any Text WCAG AA ✓ Pass

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 42DE13 Background



This preview shows how black text looks on a background with the Hex color 42DE13.

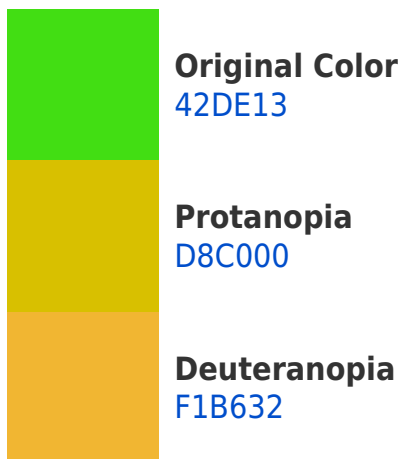


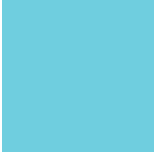
This preview shows how white text looks on a background with the Hex color 42DE13.

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
6FCEDF

Trichromacy



Original Color
42DE13



Protanomaly
A1CB07

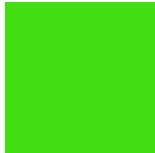


Deuteranomaly
B1C527



Tritanomaly
5FD495

Monochromacy



Original Color
42DE13



Achromatopsia
989898



Achromatomaly
79B168

CSS Examples

Text

The CSS property to change the color of the text to Hex 42DE13 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 #42DE13 looks like.

```
.text, #text, p{  
    color:#42DE13  
}
```

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 #42DE13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42DE13
}
```

Border

The CSS property to change the border of an element to Hex 42DE13 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
#42DE13 }
```

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

```
.border{ border-color:#42DE13 }
```

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

Here you see how a box with a 4 pixel #42DE13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42DE13; -webkit-box-shadow:4px 4px  
4px 4px #42DE13; box-shadow:4px 4px 4px  
4px #42DE13 }
```

Background

The CSS property to change the background color of an element to Hex 42DE13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42DE13 }
```

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

```
.background{ background-color:#42DE13 }
```

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