

Converting Colors

Hex(42FF42)

Have a look what the booklet for
Hex(42FF42) contains.

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Color

Hex(42FF42)

Conversions

Conversions Part 1

Format	Color
Hex	42FF42
RGB	66, 255, 66
RGB Percent	26%, 100%, 26%
CMY	0.7412, 0.0000, 0.7412
CMYK	0.74, 0.00, 0.74, 0.00
HSL	120°, 100%, 63%
HSV	120°, 74%, 100%
XYZ	38.9901, 73.0716, 17.2035
YIQ	176.9430, -51.9750, -98.8470

Conversions

Conversions Part 2

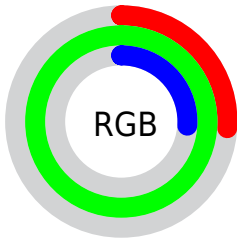
Format	Color
RYB	66, 255, 255
Decimal	4390722
CIELab	88.48, -78.84, 72.02
CIELCh	88, 106.781, 137.588
Yxy	73.0716, 0.3016, 0.5653
Android (android.graphics.Color)	4282580802 (0xFF42FF42)
YUV	176.9430, -54.6949, -97.2970
Hunter-Lab	85.4819, -68.1757, 47.9051

Details

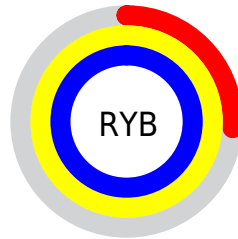
The Hex color **42FF42** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **FF42FF**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **8DFF7D**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **28FF28**, and if you desaturate by 10%, it is **5BFF5B**.

Distribution



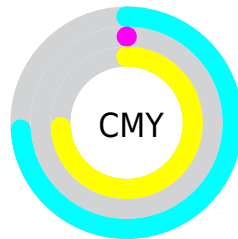
- Red (26%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)



- Cyan (74%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42FF42 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 42FF42 by changing the saturation by 10% instead.

 42FF42

 42FF42

FFFFFF

 00E21E

 8DFF7D

 00C500

 AEFF9A

 00A800

 CEFFB7

 008D00

 EEFFD4

 007100

 FFFFF2

 005700

 003F00

 002400

 000000

 42FF42

 42FF42

 28FF28

 5BFF5B

 0FFF0F

 75FF75

 00FF00

 8FFF8F

 A8FFA8

 C2FFC2

 DBFFDB

 F4FFF4

FFFFFF

Harmonies

Analogous

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



D2EC00



42FF42



00FFAF

Triad

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



42FF42



00F6FF



FF6CA7

Complementary

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



42FF42



FF42FF

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.



FF70FF



42FF42



63D6FF

Square

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



42FF42



00FFFF



FFA4FF



FF9B46

Rectangle

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



42FF42



00FFF6



FFA4FF



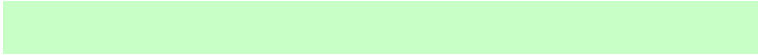
FF65C9

Sweetspot

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



42FF42



C7FFC7



FFFF42



5E805E



000000



808080

Same Dimension

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



42FF42



1CFF1C



42FFA1



738073



00BF00



004000

Inverse Universe

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



FF42FF



FF1CFF



FF42A1



807380



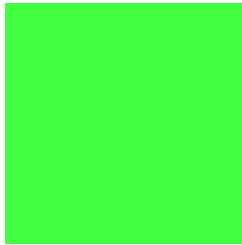
BF00BF



400040

Previews

White Background



This preview shows how the Hex color 42FF42 looks on a white background.

Color Contrast Check

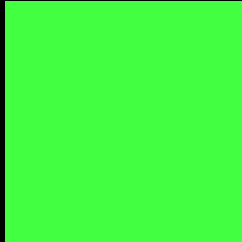
Large Text (above 18pt) WCAG AA × Fail

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 42FF42 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 42FF42 Background



This preview shows how black text looks on a background with the Hex color 42FF42.

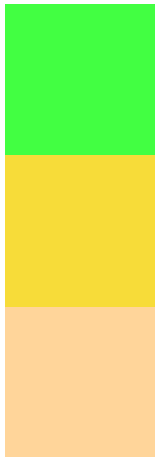


This preview shows how white text looks on a background with the Hex color 42FF42.

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](#).

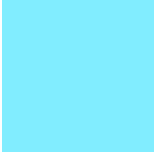
Dichromacy



Original Color
E67E22

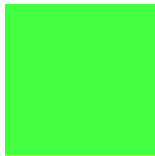
Protanopia
2ECC71

Deuteranopia
3498DB



Tritanopia
81EDFF

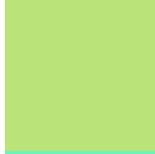
Trichromacy



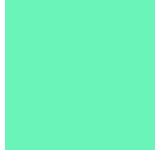
Original Color
42FF42



Protanomaly
B5E93C

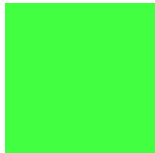


Deuteranomaly
BAE47A

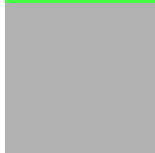


Tritanomaly
6AF4BA

Monochromacy



Original Color
42FF42



Achromatopsia
B1B1B1



Achromatomaly
89CD89

CSS Examples

Text

The CSS property to change the color of the text to Hex 42FF42 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 #42FF42 looks like.

```
.text, #text, p{  
    color:#42FF42  
}
```

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 #42FF42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42FF42
}
```

Border

The CSS property to change the border of an element to Hex 42FF42 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
#42FF42 }
```

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

```
.border{ border-color:#42FF42 }
```

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

Here you see how a box with a 4 pixel #42FF42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42FF42; -webkit-box-shadow:4px 4px  
4px 4px #42FF42; box-shadow:4px 4px 4px  
4px #42FF42 }
```

Background

The CSS property to change the background color of an element to Hex 42FF42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42FF42 }
```

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

```
.background{ background-color:#42FF42 }
```

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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