

# Converting Colors

Hex(2BFF16)

Have a look what the booklet for  
Hex(2BFF16) contains.

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# Color

Hex(2BFF16)

# Conversions

## Conversions Part 1

Format	Color
Hex	2BFF16
RGB	43, 255, 22
RGB Percent	17%, 100%, 9%
CMY	0.8314, 0.0000, 0.9137
CMYK	0.83, 0.00, 0.91, 0.00
HSL	115°, 100%, 54%
HSV	115°, 91%, 100%
XYZ	36.9011, 72.0915, 12.7292
YIQ	165.0500, -51.5590, -117.4070

# Conversions

## Conversions Part 2

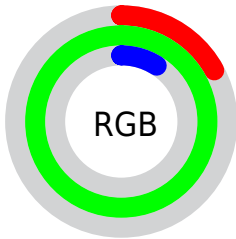
Format	Color
R <sub>Y</sub> B	22, 255, 234
Decimal	2883350
CIE Lab	88.01, -83.57, 81.54
CIE LCh	88, 116.761, 135.706
Yxy	72.0915, 0.3032, 0.5923
Android (android.graphics.Color)	4281073430 (0xFF2BFF16)
YUV	165.0500, -70.5237, -107.0379
Hunter-Lab	84.9067, -71.0094, 50.5459

# Details

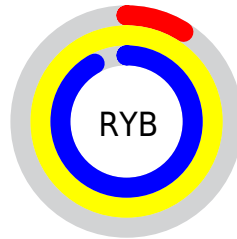
The Hex color **2BFF16** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **EA16FF**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **82FF62**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **17FF00**, and if you desaturate by 10%, it is **42FF30**.

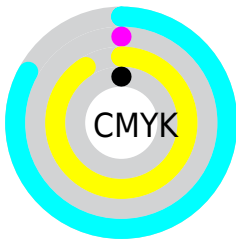
# Distribution



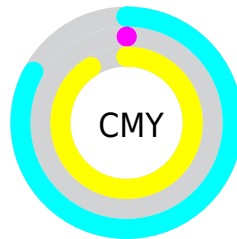
- Red (17%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)



- Cyan (83%)
- Magenta (0%)
- Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BFF16 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 2BFF16 by changing the saturation by 10% instead.



 2BFF16

 2BFF16

FFFFFF

 00E100

 82FF62

 00C400

 A5FF80

 00A800

 C6FF9E

 008C00

 E6FFBC

 007100

 FFFFDA

 005600

 FFFFF8

 003D00

 002300

 000000

 2BFF16

 2BFF16

 17FF00

 42FF30

 59FF49

 71FF62

 88FF7C

 9FFF95

 B6FFAF

 CDFFC9

 E5FFE2

 FCFFFB

# Harmonies

## Analogous

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



D3EA00



2BFF16



00FFA2

# Triad

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



2BFF16



00F9FF



FF4CA8

# Complementary

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



2BFF16



EA16FF

# 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.



FF59FF



2BFF16



00D7FF

# Square

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



2BFF16



00FFFF



FF9EFF



FF8C3A

# Rectangle

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



2BFF16



00FFF0



FF9EFF



FF41CD

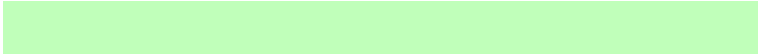


# Sweetspot

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



2BFF16



C0FFBA



FFE816



5A8057



000000



808080



# Same Dimension

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



2BFF16



17FF00



16FF73



748073



11BF00



064000



# Inverse Universe

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



EA16FF



E800FF



FF16A2



7E7380



AE00BF

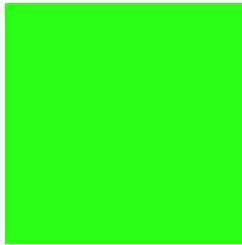


3A0040



# Previews

## White Background



This preview shows how the Hex color 2BFF16 looks on a white background.

## Color Contrast Check

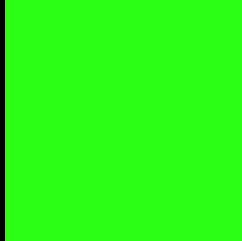
Large Text (above 18pt) WCAG AA × Fail

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 2BFF16 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 2BFF16 Background



This preview shows how black text looks on a background with the Hex color 2BFF16.



This preview shows how white text looks on a background with the Hex color 2BFF16.

# 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](#).

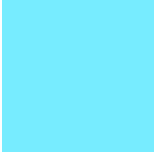
## Dichromacy



**Original Color**  
E67E22

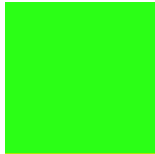
**Protanopia**  
F6DB00

**Deuteranopia**  
FFD492



**Tritanopia**  
77ECFF

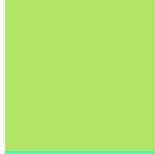
# Trichromacy



**Original Color**  
2BFF16



**Protanomaly**  
ACE808

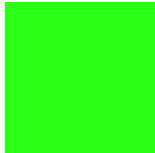


**Deuteranomaly**  
B2E465



**Tritanomaly**  
5BF3AA

# Monochromacy



**Original Color**  
2BFF16



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
79C671

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BFF16 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 #2BFF16 looks like.

```
.text, #text, p{  
    color:#2BFF16  
}
```

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 #2BFF16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BFF16
}
```

## Border

The CSS property to change the border of an element to Hex 2BFF16 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
#2BFF16 }
```

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

```
.border{ border-color:#2BFF16 }
```

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

Here you see how a box with a 4 pixel #2BFF16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BFF16; -webkit-box-shadow:4px 4px  
4px 4px #2BFF16; box-shadow:4px 4px 4px  
4px #2BFF16 }
```

# Background

The CSS property to change the background color of an element to Hex 2BFF16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BFF16 }
```

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

```
.background{ background-color:#2BFF16 }
```

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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