

# Converting Colors

Hex(32FF46)

Have a look what the booklet for  
Hex(32FF46) contains.

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**Color**

**Hex(32FF46)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32FF46
RGB	50, 255, 70
RGB Percent	20%, 100%, 27%
CMY	0.8039, 0.0000, 0.7255
CMYK	0.80, 0.00, 0.73, 0.00
HSL	126°, 100%, 60%
HSV	126°, 80%, 100%
XYZ	38.1809, 72.6403, 17.8030
YIQ	172.6150, -62.7950, -100.9950

# Conversions

## Conversions Part 2

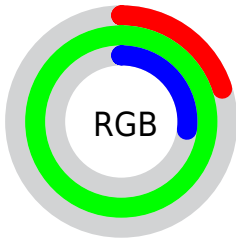
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 237, 255
Decimal	3342150
CIELab	88.28, -80.54, 70.42
CIELCh	88, 106.985, 138.834
Yxy	72.6403, 0.2968, 0.5647
Android (android.graphics.Color)	4281532230 (0xFF32FF46)
YUV	172.6150, -50.5892, -107.5334
Hunter-Lab	85.2293, -69.1871, 47.2758

# Details

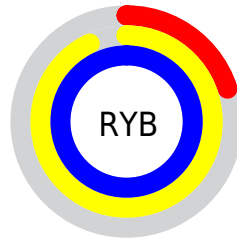
The Hex color **32FF46** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **FF32EB**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **84FF80**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **18FF2F**, and if you desaturate by 10%, it is **4CFF5D**.

# Distribution



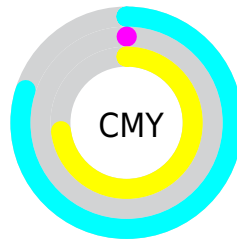
- Red (20%)
- Green (100%)
- Blue (27%)



- Red (20%)
- Yellow (93%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 32FF46 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 32FF46 by changing the saturation by 10% instead.



 32FF46

 32FF46

FFFFFF

 00E124

 84FF80

 00C500

 A6FF9D

 00A800

 C6FFBA

 008C00

 E7FFD7

 007100

 FFFFF5

 005700

 003E00

 002300

 000000

 32FF46

 32FF46

 18FF2F

 4CFF5D

 00FF19

 65FF74

 7FFF8B

 98FFA2

 B2FFB9

 CBFFD0

 E5FFE7

FEFFFE

FFFFFF

# Harmonies

## Analogous

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



CDEC00



32FF46



00FFB3

# Triad

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



32FF46



00F5FF



FF6CA2

# Complementary

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



32FF46



FF32EB

# 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.



FF6DFF



32FF46



73D3FF

# Square

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



32FF46



00FFFF



FFA1FF



FF9C40

# Rectangle

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



32FF46



00FFFA



FFA1FF



FF64C4

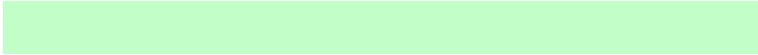


# Sweetspot

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



32FF46



C2FFC8



EEFF32



5B805E



000000



808080



# Same Dimension

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



32FF46



0AFF22



32FFAA



738074



00BF13



004006



# Inverse Universe

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



FF32EB



FF0AE7



FF3287



80737E



BF00AD

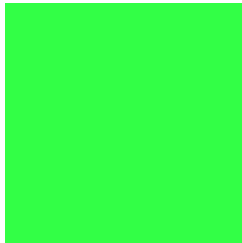


40003A



# Previews

## White Background



This preview shows how the Hex color 32FF46 looks on a white background.

## Color Contrast Check

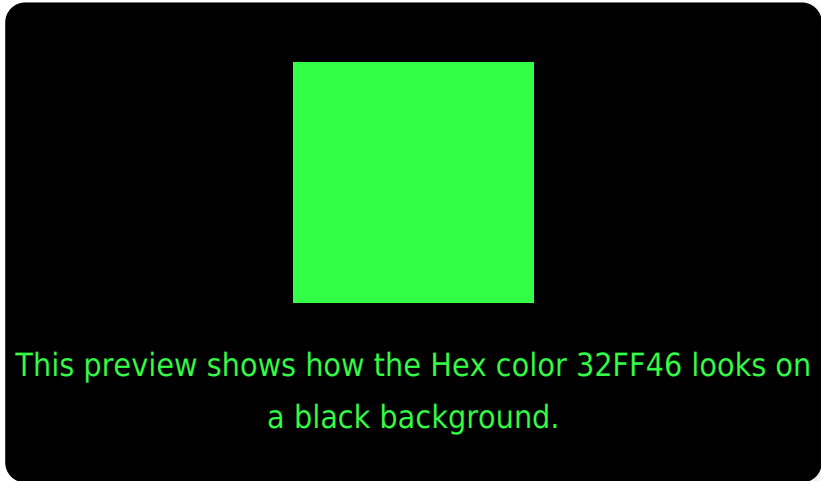
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 32FF46 Background



This preview shows how black text looks on a background with the Hex color 32FF46.

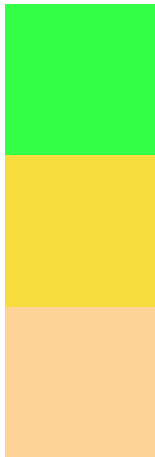


This preview shows how white text looks on a background with the Hex color 32FF46.

# 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**  
32FF46

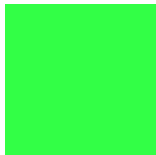
**Protanopia**  
F6DC3D

**Deuteranopia**  
FFD498



**Tritanopia**  
7CEDFF

# Trichromacy



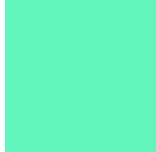
**Original Color**  
32FF46



**Protanomaly**  
AFE940

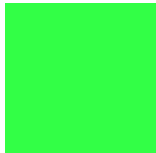


**Deuteranomaly**  
B4E47A

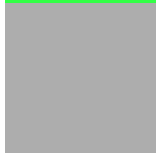


**Tritanomaly**  
61F4BC

# Monochromacy



**Original Color**  
32FF46



**Achromatopsia**  
ADADAD



**Achromatomaly**  
80CB88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 32FF46 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 #32FF46 looks like.

```
.text, #text, p{  
    color:#32FF46  
}
```

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 #32FF46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #32FF46
}
```

## Border

The CSS property to change the border of an element to Hex 32FF46 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
#32FF46 }
```

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

```
.border{ border-color:#32FF46 }
```

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

Here you see how a box with a 4 pixel #32FF46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #32FF46; -webkit-box-shadow:4px 4px  
4px 4px #32FF46; box-shadow:4px 4px 4px  
4px #32FF46 }
```

# Background

The CSS property to change the background color of an element to Hex 32FF46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#32FF46 }
```

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

```
.background{ background-color:#32FF46 }
```

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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