

# Converting Colors

Hex(42F564)

Have a look what the booklet for  
Hex(42F564) contains.

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# **Color**

**Hex(42F564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42F564
RGB	66, 245, 100
RGB Percent	26%, 96%, 39%
CMY	0.7412, 0.0392, 0.6078
CMYK	0.73, 0.00, 0.59, 0.04
HSL	131°, 90%, 61%
HSV	131°, 73%, 96%
XYZ	37.1994, 67.3832, 23.1022
YIQ	174.9490, -60.1390, -83.0430

# Conversions

## Conversions Part 2

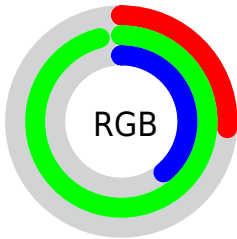
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">66, 216, 245</a>
Decimal	<a href="#">4388196</a>
CIELab	<a href="#">85.70, -72.61, 56.05</a>
CIELCh	<a href="#">86, 91.730, 142.334</a>
Yxy	<a href="#">67.3832, 0.2913, 0.5277</a>
Android (android.graphics.Color)	<a href="#">4282578276 (0xFF42F564)</a>
YUV	<a href="#">174.9490, -36.9499, -95.5483</a>
Hunter-Lab	<a href="#">82.0873, -62.7620, 40.7748</a>

# Details

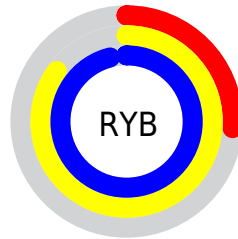
The Hex color **42F564** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **F542D3**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **8AFF9B**, and **00BB2D** is the 20% darker color. If you saturate the color by 10%, you get **2AF550**, and if you desaturate by 10%, it is **5BF578**.

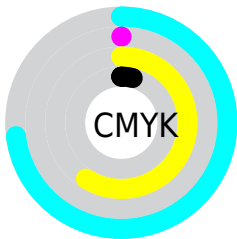
# Distribution



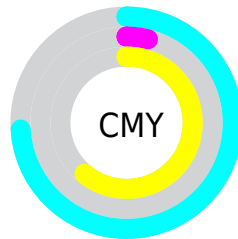
- Red (26%)
- Green (96%)
- Blue (39%)



- Red (26%)
- Yellow (85%)
- Blue (96%)



- Cyan (73%)
- Magenta (0%)
- Yellow (59%)
- Black (4%)



- Cyan (74%)
- Magenta (4%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42F564 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 42F564 by changing the saturation by 10% instead.



 42F564

FFFFFF

 8AFF9B

 AAFFB7

 C9FFD3

 E9FFF0

 42F564

 00D849

 00BB2D

 009F06

 008400

 006900

 004F00

 003700

 001C00

 000000

 42F564

 42F564

 2AF550

 5BF578

 11F53C

 73F58C

 00F52F

 8CF5A0

 A4F5B3

 BDF5C7

 D5F5DB

 EEF5EF

 FFF5FF

# Harmonies

## Analogous

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



C1E500



42F564



00FDBC

# Triad

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



42F564



00E7FF



FF829A

# Complementary

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



42F564



F542D3

# 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.



FF7EF0



42F564



A6C9FF

# Square

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



42F564



00F8FF



FFA0FF



FFA64B

# Rectangle

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



42F564



00FEF9



FFA0FF



FF7CB6

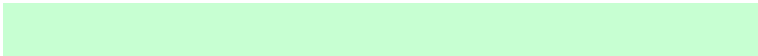


# Sweetspot

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



42F564



C7FFD2



D4F542



5E8065



000000



808080



# Same Dimension

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



42F564



1FFF49



42F5BC



6E7A70



00BA23



003B0B



# Inverse Universe

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



F542D3



FF1FD4



F5427B



7A6E78



BA0097

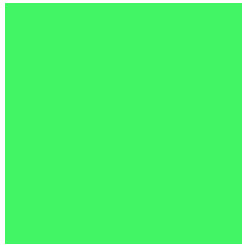


3B0030



# Previews

## White Background



This preview shows how the Hex color 42F564 looks on a white background.

## Color Contrast Check

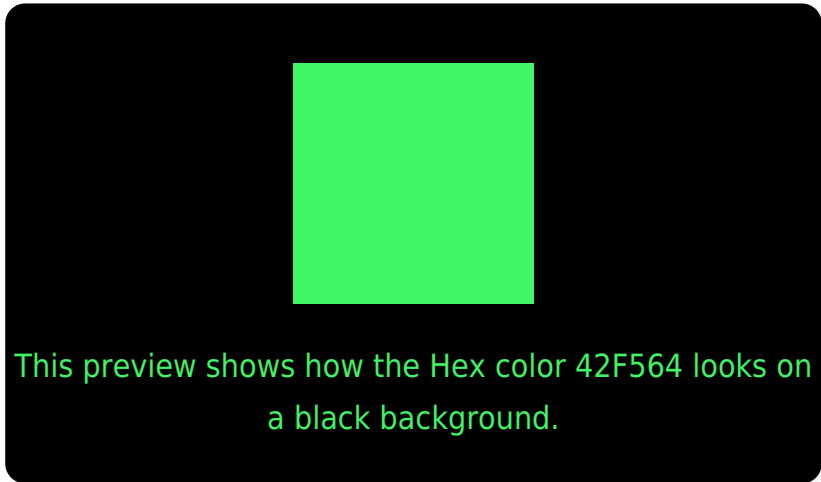
Large Text (above 18pt) WCAG AA × Fail

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

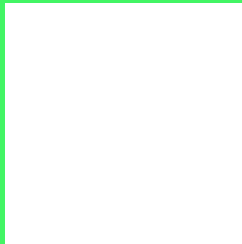
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42F564 Background



This preview shows how black text looks on a background with the Hex color 42F564.

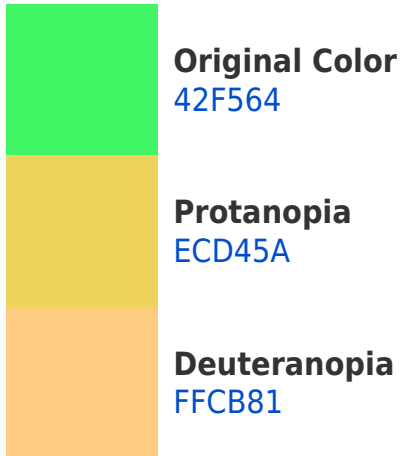


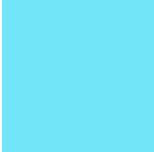
This preview shows how white text looks on a background with the Hex color 42F564.

# 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



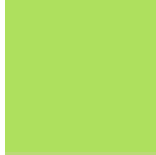


**Tritanopia**  
72E6F8

# Trichromacy



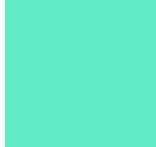
**Original Color**  
42F564



**Protanomaly**  
AEE05E



**Deuteranomaly**  
BADA76



**Tritanomaly**  
61EBC2

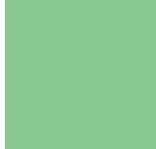
# Monochromacy



**Original Color**  
42F564



**Achromatopsia**  
AFAFAF



**Achromatomaly**  
87C894

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42F564 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 #42F564 looks like.

```
.text, #text, p{  
    color:#42F564  
}
```

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 #42F564 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42F564
}
```

## Border

The CSS property to change the border of an element to Hex 42F564 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
#42F564 }
```

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

```
.border{ border-color:#42F564 }
```

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

Here you see how a box with a 4 pixel #42F564 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42F564; -webkit-box-shadow:4px 4px  
4px 4px #42F564; box-shadow:4px 4px 4px  
4px #42F564 }
```

# Background

The CSS property to change the background color of an element to Hex 42F564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42F564 }
```

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

```
.background{ background-color:#42F564 }
```

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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