

# Converting Colors

Hex(2AF584)

Have a look what the booklet for  
Hex(2AF584) contains.

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# Color

Hex(2AF584)

# Conversions

## Conversions Part 1

Format	Color
Hex	2AF584
RGB	42, 245, 132
RGB Percent	16%, 96%, 52%
CMY	0.8353, 0.0392, 0.4824
CMYK	0.83, 0.00, 0.46, 0.04
HSL	147°, 91%, 56%
HSV	147°, 83%, 96%
XYZ	37.7721, 67.4630, 32.8607
YIQ	171.4210, -84.7150, -78.1790

# Conversions

## Conversions Part 2

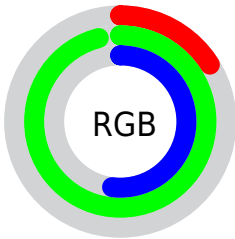
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 183, 245
Decimal	2815364
CIE <sub>Lab</sub>	85.74, -70.92, 41.26
CIE <sub>LCh</sub>	86, 82.045, 149.812
Yxy	67.4630, 0.2735, 0.4885
Android (android.graphics.Color)	4281005444 (0xFF2AF584)
YUV	171.4210, -19.4346, -113.5022
Hunter-Lab	82.1359, -61.6503, 33.7745

# Details

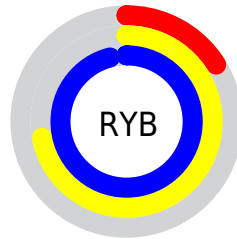
The Hex color **2AF584** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **F52A9B**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **7CFFBA**, and **00BB50** is the 20% darker color. If you saturate the color by 10%, you get **11F576**, and if you desaturate by 10%, it is **42F592**.

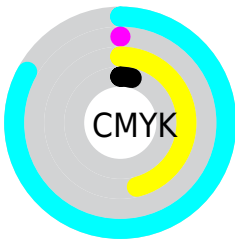
# Distribution



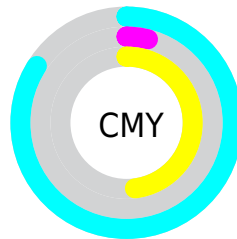
- Red (16%)
- Green (96%)
- Blue (52%)



- Red (16%)
- Yellow (72%)
- Blue (96%)



- Cyan (83%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)



- Cyan (84%)
- Magenta (4%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AF584 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 2AF584 by changing the saturation by 10% instead.



 2AF584

 2AF584


FFFFFF

 00D86A

 7CFFBA

 00BB50

 9DFFD7

 009F37

 BDFFF3

 00841D

 DCFFFF

 006900

 FCFFFF

 004F00

 003700

 001C00

 000000

 2AF584

 2AF584

 11F576

 42F592

 00F56D

 5BF59F

 74F5AD

 8CF5BB

 A4F5C8

 BDF5D6

 D6F5E3

 EEF5F1

 FFF5FF

# Harmonies

## Analogous

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



B0E840



2AF584



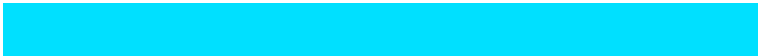
00FBD3

# Triad

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



2AF584



00E0FF



FF968E

# Complementary

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



2AF584



F52A9B

# 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.



FF8BDA



2AF584



D4C2FF

# Square

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



2AF584



00F2FF



FF9FFF



FFB44D

# Rectangle

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



2AF584



00BFFF



FF9FFF



FF8FA6

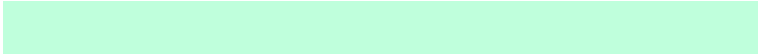


# Sweetspot

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



2AF584



BFFFDC



9DF52A



59806A



000000



808080



# Same Dimension

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



2AF584



03FF72



2AF5E7



6E7A74



00BA53



003B1A



# Inverse Universe

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



F52A9B



FF038F



F52A38



7A6E75



BA0068

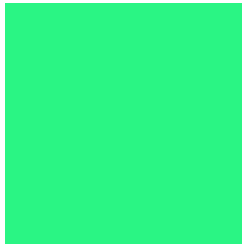


3B0021



# Previews

## White Background



This preview shows how the Hex color 2AF584 looks on a white background.

## Color Contrast Check

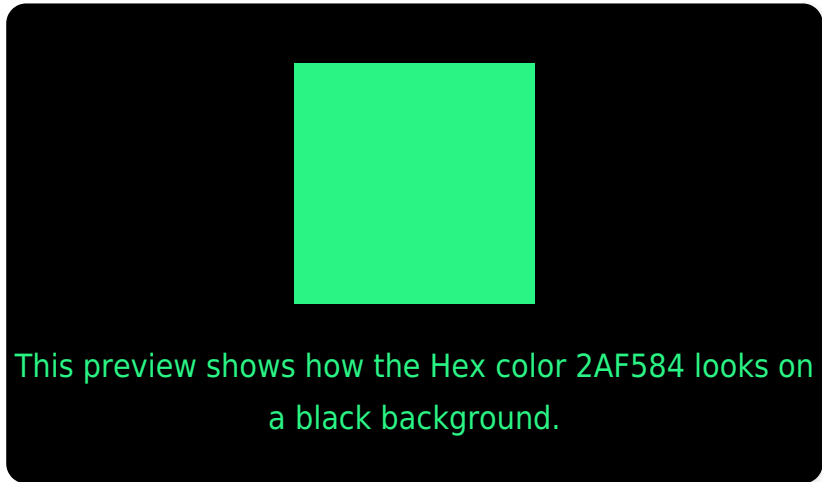
Large Text (above 18pt) WCAG AA × Fail

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

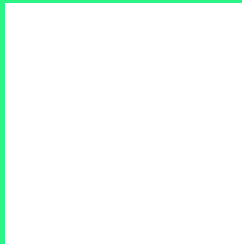
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2AF584 Background



This preview shows how black text looks on a background with the Hex color 2AF584.

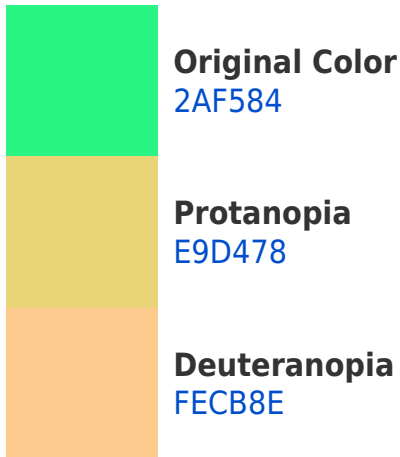


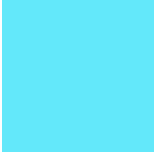
This preview shows how white text looks on a background with the Hex color 2AF584.

# 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](#).

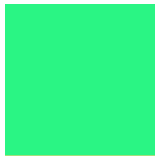
## Dichromacy





**Tritanopia**  
63E8FA

# Trichromacy



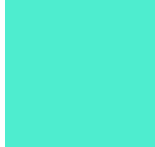
**Original Color**  
2AF584



**Protanomaly**  
A4E07C



**Deuteranomaly**  
B1DA8A



**Tritanomaly**  
4EEDCF

# Monochromacy



**Original Color**  
2AF584



**Achromatopsia**  
ABABAB



**Achromatomaly**  
7CC69D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AF584 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 #2AF584 looks like.

```
.text, #text, p{  
    color:#2AF584  
}
```

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 #2AF584 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AF584
}
```

## Border

The CSS property to change the border of an element to Hex 2AF584 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
#2AF584 }
```

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

```
.border{ border-color:#2AF584 }
```

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

Here you see how a box with a 4 pixel #2AF584 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AF584; -webkit-box-shadow:4px 4px  
4px 4px #2AF584; box-shadow:4px 4px 4px  
4px #2AF584 }
```

# Background

The CSS property to change the background color of an element to Hex 2AF584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AF584 }
```

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

```
.background{ background-color:#2AF584 }
```

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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