

# Converting Colors

Hex(2FA920)

Have a look what the booklet for  
Hex(2FA920) contains.

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**Color**

**Hex(2FA920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FA920
RGB	47, 169, 32
RGB Percent	18%, 66%, 13%
CMY	0.8157, 0.3373, 0.8745
CMYK	0.72, 0.00, 0.81, 0.34
HSL	113°, 68%, 39%
HSV	113°, 81%, 66%
XYZ	15.6210, 29.0846, 6.1571
YIQ	116.9040, -28.7350, -68.4710

# Conversions

## Conversions Part 2

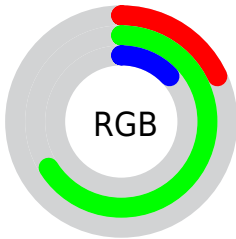
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 169, 154
Decimal	3123488
CIE <sub>Lab</sub>	60.86, -57.40, 55.74
CIE <sub>LCh</sub>	61, 80.012, 135.837
Yxy	29.0846, 0.3071, 0.5718
Android (android.graphics.Color)	4281313568 (0xFF2FA920)
YUV	116.9040, -41.8577, -61.3058
Hunter-Lab	53.9301, -42.6748, 30.9821

# Details

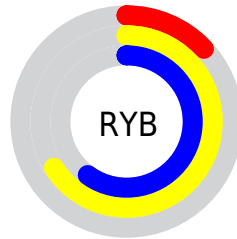
The Hex color **2FA920** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9A20A9**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **70E159**, and **007300** is the 20% darker color. If you saturate the color by 10%, you get **20A90F**, and if you desaturate by 10%, it is **3EA931**.

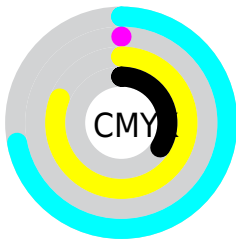
# Distribution



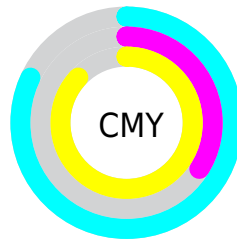
- Red (18%)
- Green (66%)
- Blue (13%)



- Red (13%)
- Yellow (66%)
- Blue (60%)



- Cyan (72%)
- Magenta (0%)
- Yellow (81%)
- Black (34%)



- Cyan (82%)
- Magenta (34%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2FA920 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 2FA920 by changing the saturation by 10% instead.



 2FA920

 2FA920

FFFFFF

 008E00

 70E159

 007300

 8EFE74

 005A00

 ABFF8F

 004100

 C9FFAB

 002A00

 E7FFC7

 000600

 FFFFE4

 000000

 2FA920

 2FA920

 20A90F

 3EA931

■ 13A900

■ 4DA942

■ 5CA953

■ 6BA964

■ 7AA974

■ 89A985

■ 98A996

■ A7A9A7

■ B6A9B8

# Harmonies

## Analogous

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



8E9B00



2FA920



00B06E

# Triad

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



2FA920



00A5FF



FF4071

# Complementary

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



2FA920



9A20A9

# 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.



FF46B7



2FA920



1F8FFF

# Square

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



2FA920



00AFF8



C36CF6



FA622D

# Rectangle

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



2FA920



00B29F



C36CF6



FF3C88



# Sweetspot

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



2FA920



ACDBA7



A99920



516E4E



EDEDED



6E6E6E



# Same Dimension

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



2FA920



1EDB07



20A955



4D544C



109400



021400



# Inverse Universe

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



9A20A9



C407DB



A92074



534C54



840094

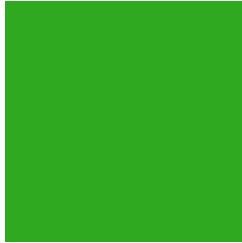


120014



# Previews

## White Background



This preview shows how the Hex color 2FA920 looks on a white background.

## Color Contrast Check

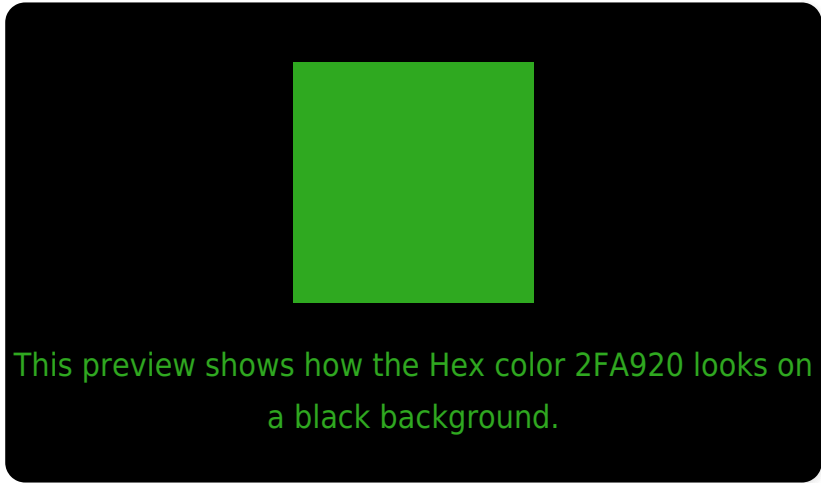
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 2FA920 Background



This preview shows how black text looks on a background with the Hex color 2FA920.

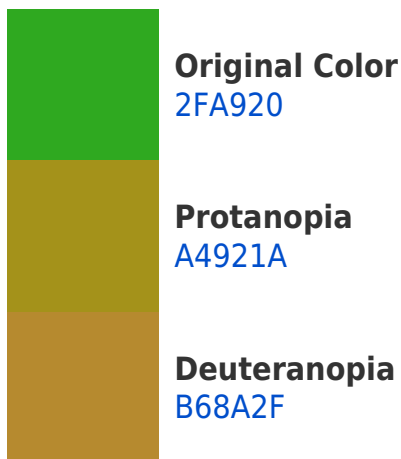


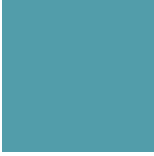
This preview shows how white text looks on a background with the Hex color 2FA920.

# 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**  
529DAA

# Trichromacy



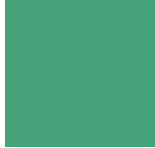
**Original Color**  
2FA920



**Protanomaly**  
799A1C



**Deuteranomaly**  
85952A



**Tritanomaly**  
45A178

# Monochromacy



**Original Color**  
2FA920



**Achromatopsia**  
757575



**Achromatomaly**  
5C8856

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2FA920 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 #2FA920 looks like.

```
.text, #text, p{  
    color:#2FA920  
}
```

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 #2FA920 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2FA920  
}
```

## Border

The CSS property to change the border of an element to Hex 2FA920 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  
#2FA920 }
```

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

```
.border{ border-color:#2FA920 }
```

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

Here you see how a box with a 4 pixel #2FA920 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2FA920; -webkit-box-shadow:4px 4px  
4px 4px #2FA920; box-shadow:4px 4px 4px  
4px #2FA920 }
```

# Background

The CSS property to change the background color of an element to Hex 2FA920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2FA920 }
```

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

```
.background{ background-color:#2FA920 }
```

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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