

# Converting Colors

Hex(2BAF00)

Have a look what the booklet for  
Hex(2BAF00) contains.

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**Color**

**Hex(2BAF00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BAF00
RGB	43, 175, 0
RGB Percent	17%, 69%, 0%
CMY	0.8314, 0.3137, 1.0000
CMYK	0.75, 0.00, 1.00, 0.31
HSL	105°, 100%, 34%
HSV	105°, 100%, 69%
XYZ	16.3262, 31.1735, 5.1566
YIQ	115.5820, -22.4970, -82.4090

# Conversions

## Conversions Part 2

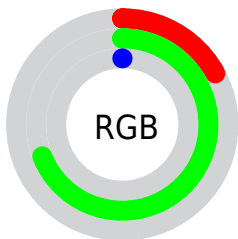
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 175, 132
Decimal	2862848
CIELab	62.65, -61.08, 63.25
CIELCh	63, 87.931, 134.002
Yxy	31.1735, 0.3101, 0.5920
Android (android.graphics.Color)	4281052928 (0xFF2BAF00)
YUV	115.5820, -56.9819, -63.6544
Hunter-Lab	55.8333, -45.5129, 33.6074

# Details

The Hex color **2BAF00** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8400AF**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **70E84B**, and **007900** is the 20% darker color. If you saturate the color by 10%, you get **2BAF00**, and if you desaturate by 10%, it is **38AF11**.

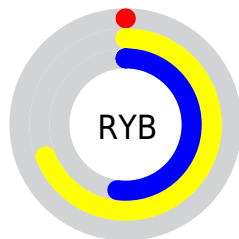
# Distribution



Red (17%)

Green (69%)

Blue (0%)



Red (0%)

Yellow (69%)

Blue (52%)

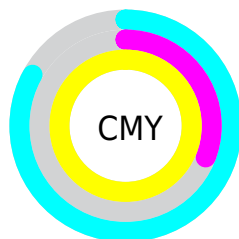


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (83%)

Magenta (31%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BAF00 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 2BAF00 by changing the saturation by 10% instead.



 2BAF00

 2BAF00

FFFFFF

 009400

 70E84B

 007900

 8EFF67

 005F00

 ACFF83

 004600

 CAFF9F

 002F00

 E9FFBB

 001100

 FFFFD8

 000000

 FFFFF6

 2BAF00

 38AF11

 45AF23

 53AF35

 60AF46

 6DAF58

 7AAF69

 87AF7A

 95AF8C

 A2AF9E

# Harmonies

## Analogous

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



95A000



2BAF00



00B769

# Triad

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



2BAF00



00ACFF



FF3177

# Complementary

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



2BAF00



8400AF

# 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.



FF3EC5



2BAF00



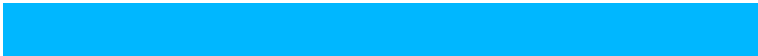
0095FF

# Square

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



2BAF00



00B7FF



C66EFF



FF5C2A

# Rectangle

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



2BAF00



00B9A0



C66EFF



FF2B91



# Sweetspot

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



2BAF00



B0E39F



AF8300



547349



F2F2F2



737373



# Same Dimension

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



2BAF00



38E300



00AF2C



50574E



259600



061700



# Inverse Universe

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



8400AF



AB00E3



AF0083



554E57



710096

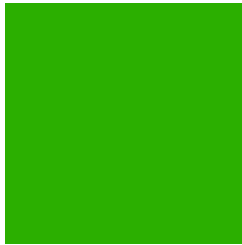


110017



# Previews

## White Background



This preview shows how the Hex color 2BAF00 looks on a white background.

## Color Contrast Check

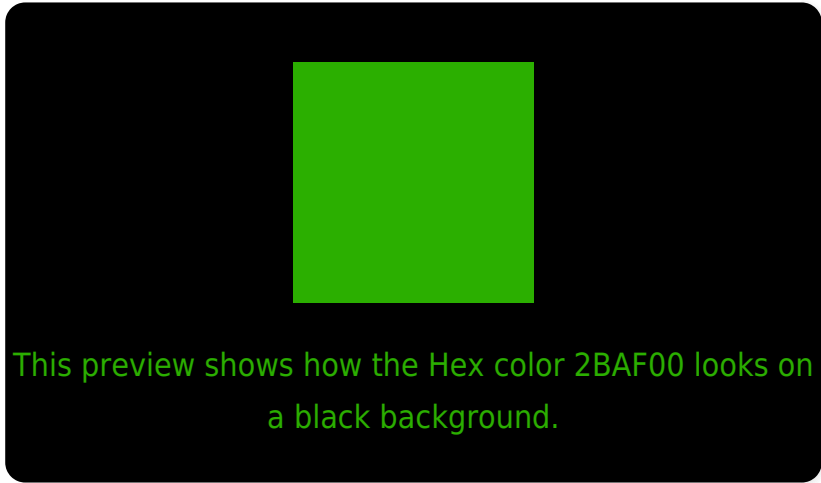
Large Text (above 18pt) WCAG AA × Fail

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

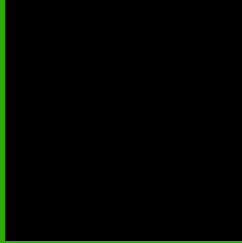
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2BAF00 Background



This preview shows how black text looks on a background with the Hex color 2BAF00.

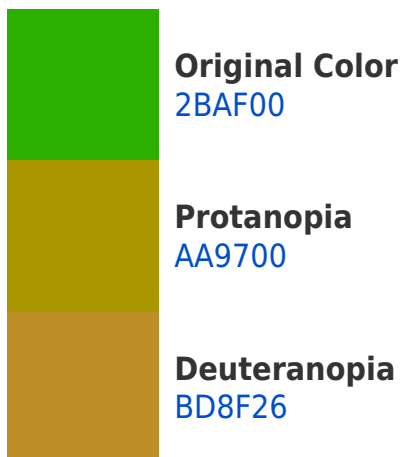


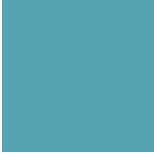
This preview shows how white text looks on a background with the Hex color 2BAF00.

# 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**  
53A3B0

# Trichromacy



**Original Color**  
2BAF00



**Protanomaly**  
7CA000



**Deuteranomaly**  
889B18



**Tritanomaly**  
44A770

# Monochromacy



**Original Color**  
2BAF00



**Achromatopsia**  
747474



**Achromatomaly**  
59894A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BAF00 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 #2BAF00 looks like.

```
.text, #text, p{  
    color:#2BAF00  
}
```

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 #2BAF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BAF00
}
```

## Border

The CSS property to change the border of an element to Hex 2BAF00 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
#2BAF00 }
```

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

```
.border{ border-color:#2BAF00 }
```

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

Here you see how a box with a 4 pixel #2BAF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BAF00; -webkit-box-shadow:4px 4px  
4px 4px #2BAF00; box-shadow:4px 4px 4px  
4px #2BAF00 }
```

# Background

The CSS property to change the background color of an element to Hex 2BAF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BAF00 }
```

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

```
.background{ background-color:#2BAF00 }
```

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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