

Converting Colors

Hex(00AF40)

Have a look what the booklet for
Hex(00AF40) contains.

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Color

Hex(00AF40)

Conversions

Conversions Part 1

Format	Color
Hex	00AF40
RGB	0, 175, 64
RGB Percent	0%, 69%, 25%
CMY	1.0000, 0.3137, 0.7490
CMYK	1.00, 0.00, 0.63, 0.31
HSL	142°, 100%, 34%
HSV	142°, 100%, 69%
XYZ	16.2554, 31.0301, 9.9832
YIQ	110.0210, -68.6690, -71.6210

Conversions

Conversions Part 2

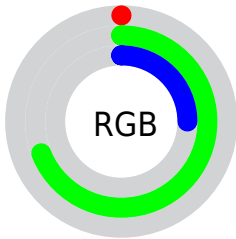
Format	Color
RYB	0, 128, 175
Decimal	44864
CIELab	62.53, -60.97, 45.22
CIELCh	63, 75.904, 143.437
Yxy	31.0301, 0.2838, 0.5418
Android (android.graphics.Color)	4278234944 (0xFF00AF40)
YUV	110.0210, -22.6884, -96.4884
Hunter-Lab	55.7047, -45.3944, 28.3676

Details

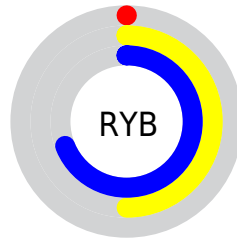
The Hex color **00AF40** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AF006F**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **5EE874**, and **007905** is the 20% darker color. If you saturate the color by 10%, you get **00AF40**, and if you desaturate by 10%, it is **11AF4B**.

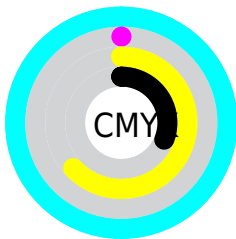
Distribution



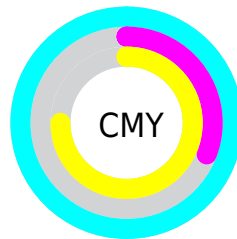
- Red (0%)
- Green (69%)
- Blue (25%)



- Red (0%)
- Yellow (50%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AF40 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 00AF40 by changing the saturation by 10% instead.

 00AF40

 00AF40


FFFFFF

 009426

 5EE874

 007905

 7DFF8E

 005F00

 9CFFAA

 004500

 BAFFC6

 002F00


 D8FFE2

 001000

 F7FFFF

 000000

 00AF40

 11AF4B

 23AF56

 35AF61

 46AF6C

 58AF78

 69AF83

 7AAF8E

 8CAF99

 9EAF A4

Harmonies

Analogous

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



83A300



00AF40



00B586

Triad

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



00AF40



00A4FF



FF5466

Complementary

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



00AF40



AF006F

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.



FF4EA9



00AF40



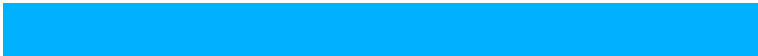
738CFF

Square

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



00AF40



00B1FF



D96BE9



F27227

Rectangle

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



00AF40



00B6B5



D96BE9



FF4D7C

Sweetspot

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



00AF40



9FE3B8



72AF00



497359



F2F2F2



737373

Same Dimension

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



00AF40



00E353



00AF95



4E5751



009637



001708

Inverse Universe

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



AF006F



E30090



AF001A



574E54



96005F



17000F

Previews

White Background



This preview shows how the Hex color 00AF40 looks on a white background.

Color Contrast Check

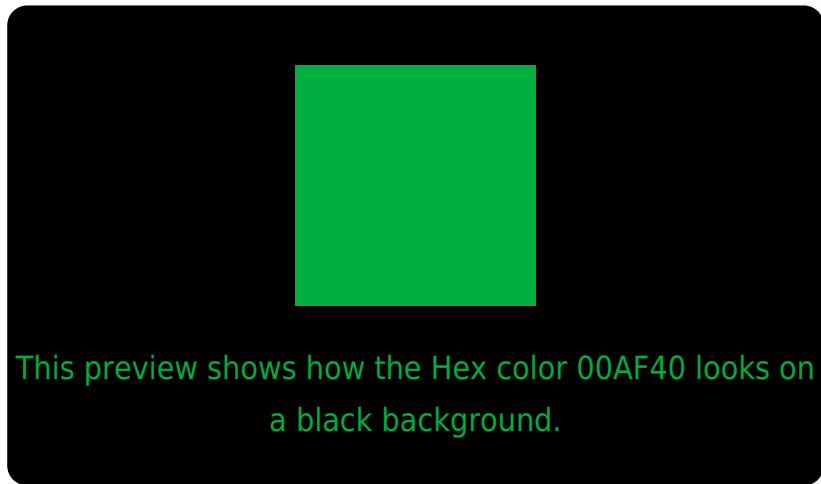
Large Text (above 18pt) WCAG AA × Fail

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 00AF40 Background



This preview shows how black text looks on a background with the Hex color 00AF40.

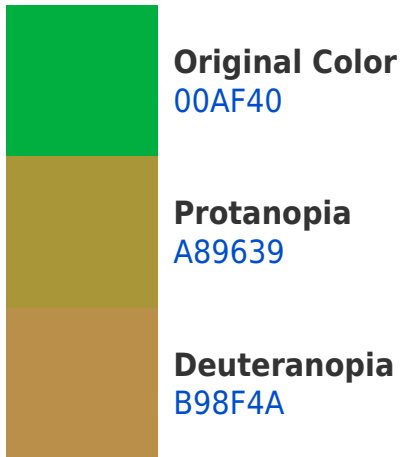


This preview shows how white text looks on a background with the Hex color 00AF40.

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
46A4B1

Trichromacy



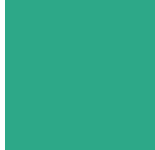
Original Color
00AF40



Protanomaly
6B9F3C



Deuteranomaly
769B46



Tritanomaly
2DA888

Monochromacy



Original Color
00AF40



Achromatopsia
6E6E6E



Achromatomaly
46865D

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AF40 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 #00AF40 looks like.

```
.text, #text, p{  
    color:#00AF40  
}
```

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 #00AF40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AF40
}
```

Border

The CSS property to change the border of an element to Hex 00AF40 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
#00AF40 }
```

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

```
.border{ border-color:#00AF40 }
```

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

Here you see how a box with a 4 pixel #00AF40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AF40; -webkit-box-shadow:4px 4px  
4px 4px #00AF40; box-shadow:4px 4px 4px  
4px #00AF40 }
```

Background

The CSS property to change the background color of an element to Hex 00AF40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AF40 }
```

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

```
.background{ background-color:#00AF40 }
```

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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