

Converting Colors

Hex(00AE38)

Have a look what the booklet for
Hex(00AE38) contains.

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Color

Hex(00AE38)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00AE38 |
| RGB | 0, 174, 56 |
| RGB Percent | 0%, 68%, 22% |
| CMY | 1.0000, 0.3176, 0.7804 |
| CMYK | 1.00, 0.00, 0.68, 0.32 |
| HSL | 139°, 100%, 34% |
| HSV | 139°, 100%, 68% |
| XYZ | 15.8499, 30.5576, 8.8042 |
| YIQ | 108.5220, -65.8260, -73.5860 |

Conversions

Conversions Part 2

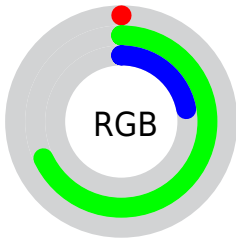
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 132, 174 |
| Decimal | 44600 |
| CIELab | 62.13, -61.57, 48.23 |
| CIELCh | 62, 78.206, 141.928 |
| Yxy | 30.5576, 0.2871, 0.5535 |
| Android (android.graphics.Color) | 4278234680 (0xFF00AE38) |
| YUV | 108.5220, -25.8933, -95.1738 |
| Hunter-Lab | 55.2790, -45.5577, 29.2522 |

Details

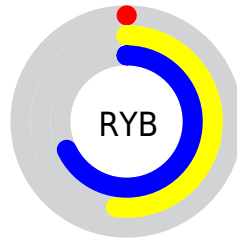
The Hex color **00AE38** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AE0076**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **5EE76C**, and **007800** is the 20% darker color. If you saturate the color by 10%, you get **00AE38**, and if you desaturate by 10%, it is **11AE44**.

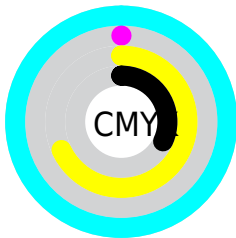
Distribution



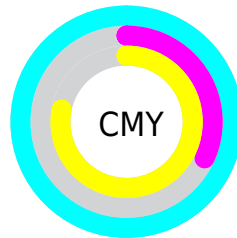
- Red (0%)
- Green (68%)
- Blue (22%)



- Red (0%)
- Yellow (52%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AE38 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 00AE38 by changing the saturation by 10% instead.

 00AE38

 00AE38

FFFFFF

 00931C

 5EE76C

 007800

 7DFF87

 005E00

 9CFFA2

 004400

 BAFFBE

 002D00

 D8FFDB

 000E00

 F7FFF8

 000000

 00AE38

 11AE44

 23AE50

 34AE5B

 46AE67

 57AE73

 68AE7F

 7AAE8B

 8BAE96

 9DAEA2

Harmonies

Analogous

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



84A200



00AE38



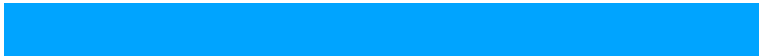
00B480

Triad

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



00AE38



00A4FF



FF4D67

Complementary

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



00AE38



AE0076

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.



FF49AC



00AE38



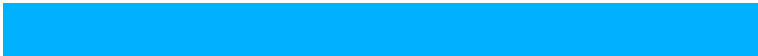
668CFF

Square

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



00AE38



00B1FF



D669ED



F56E25

Rectangle

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



00AE38



00B5B1



D669ED



FF477E

Sweetspot

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



00AE38



9FE3B5



77AE00



497357



F2F2F2



737373

Same Dimension

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



00AE38



00E349



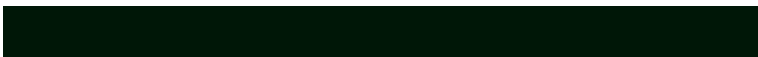
00AE8E



4E5751



009630



001707

Inverse Universe

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



AE0076



E3009A



AE0020



574E54



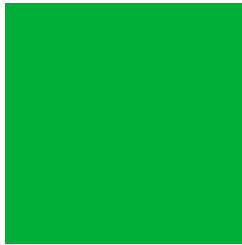
960066



170010

Previews

White Background



This preview shows how the Hex color 00AE38 looks on a white background.

Color Contrast Check

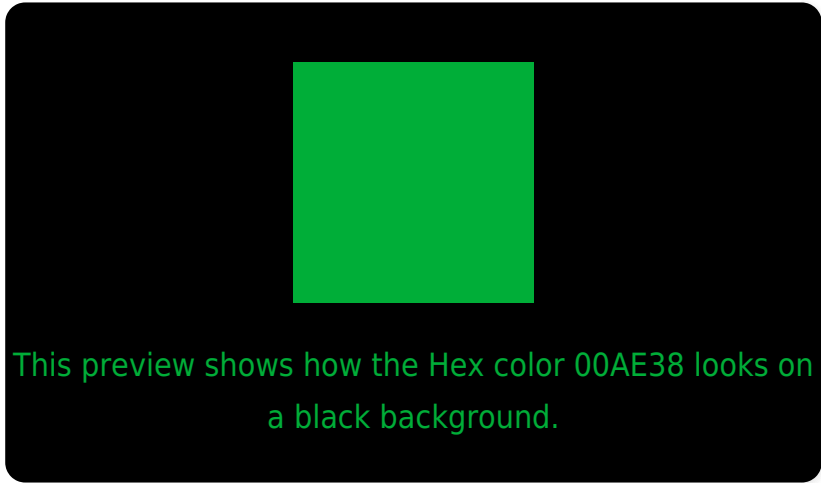
Large Text (above 18pt) WCAG AA × Fail

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 00AE38 Background



This preview shows how black text looks on a background with the Hex color 00AE38.



This preview shows how white text looks on a background with the Hex color 00AE38.

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
47A3B0

Trichromacy



Original Color
00AE38



Protanomaly
6A9E34



Deuteranomaly
769A3F



Tritanomaly
2DA784

Monochromacy



Original Color
00AE38



Achromatopsia
6D6D6D



Achromatomaly
45855A

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AE38 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 #00AE38 looks like.

```
.text, #text, p{  
    color:#00AE38  
}
```

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 #00AE38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AE38
}
```

Border

The CSS property to change the border of an element to Hex 00AE38 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
#00AE38 }
```

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

```
.border{ border-color:#00AE38 }
```

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

Here you see how a box with a 4 pixel #00AE38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AE38; -webkit-box-shadow:4px 4px  
4px 4px #00AE38; box-shadow:4px 4px 4px  
4px #00AE38 }
```

Background

The CSS property to change the background color of an element to Hex 00AE38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AE38 }
```

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

```
.background{ background-color:#00AE38 }
```

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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