

Converting Colors

Hex(00AF5E)

Have a look what the booklet for
Hex(00AF5E) contains.

Hex(00AF5E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00AF5E)

Conversions

Conversions Part 1

Format	Color
Hex	00AF5E
RGB	0, 175, 94
RGB Percent	0%, 69%, 37%
CMY	1.0000, 0.3137, 0.6314
CMYK	1.00, 0.00, 0.46, 0.31
HSL	152°, 100%, 34%
HSV	152°, 100%, 69%
XYZ	17.3504, 31.4681, 15.7492
YIQ	113.4410, -78.2990, -62.2910

Conversions

Conversions Part 2

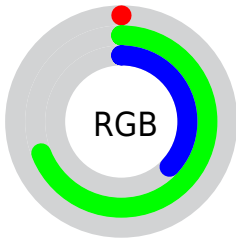
Format	Color
RYB	0, 114, 175
Decimal	44894
CIELab	62.90, -56.45, 31.05
CIELCh	63, 64.430, 151.189
Yxy	31.4681, 0.2687, 0.4874
Android (android.graphics.Color)	4278234974 (0xFF00AF5E)
YUV	113.4410, -9.5844, -99.4878
Hunter-Lab	56.0964, -42.9596, 22.6217

Details

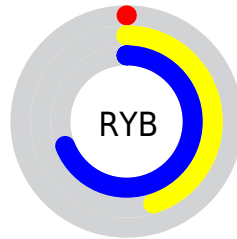
The Hex color **00AF5E** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **AF0051**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **5DE891**, and **00792E** is the 20% darker color. If you saturate the color by 10%, you get **00AF5E**, and if you desaturate by 10%, it is **11AF66**.

Distribution



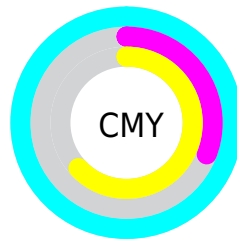
- Red (0%)
- Green (69%)
- Blue (37%)



- Red (0%)
- Yellow (45%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 00AF5E 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 00AF5E by changing the saturation by 10% instead.

 00AF5E

 00AF5E

FFFFFF

 009445

 5DE891

 00792E

 7CFFAC

 005F16

 9AFFC8

 004600

 B8FFE4

 003000


 D6FFFF

 001200

 F5FFFF

 000000

 00AF5E

 11AF66

 23AF6E

 35AF76

 46AF7E

 58AF87

 69AF8F

 7AAF97

 8CAF9F

 9EAF A7

Harmonies

Analogous

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



79A62B



00AF5E



00B399

Triad

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



00AF5E



009EFF



FB6960

Complementary

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



00AF5E



AF0051

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.



FD6098



00AF5E



9B88FB

Square

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



00AF5E



00ACFC



DF6ED0



E08030

Rectangle

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



00AF5E



00B3C0



DF6ED0



FF6472

Sweetspot

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



00AF5E



9FE3C3



52AF00



497360



F2F2F2



737373

Same Dimension

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



00AF5E



00E37A



00A9AF



4E5753



009651



00170C

Inverse Universe

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



AF0051



E30069



AF0600



574E52



960046



17000B

Previews

White Background



This preview shows how the Hex color 00AF5E looks on a white background.

Color Contrast Check

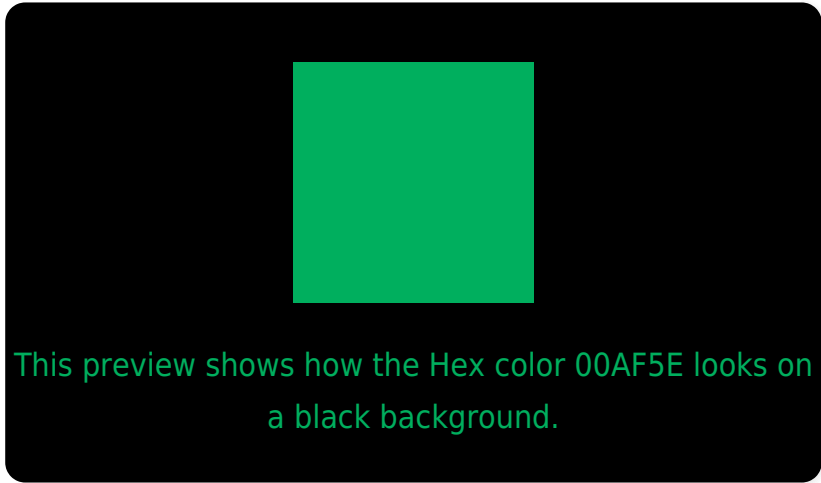
Large Text (above 18pt) WCAG AA × Fail

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 00AF5E Background



This preview shows how black text looks on a background with the Hex color 00AF5E.



This preview shows how white text looks on a background with the Hex color 00AF5E.

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



Original Color
00AF5E

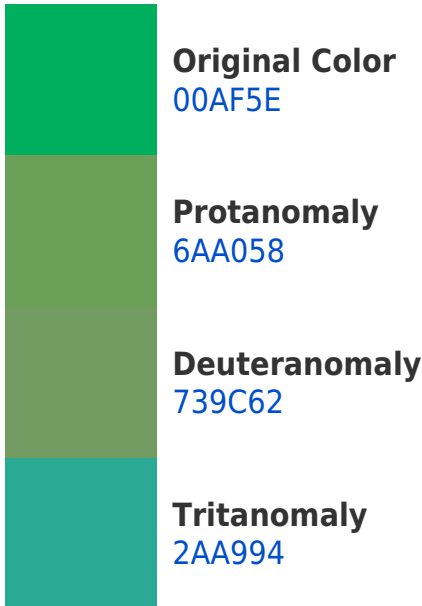
Protanopia
A69755

Deuteranopia
B59165

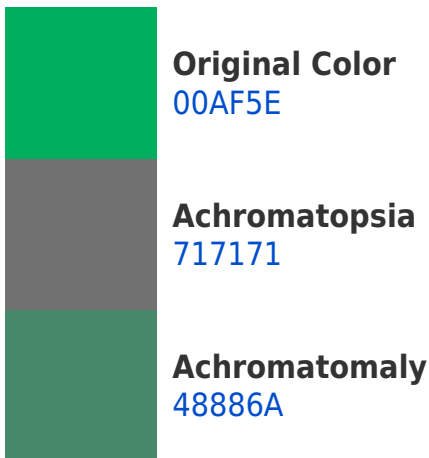


Tritanopia
42A5B3

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 00AF5E 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 #00AF5E looks like.

```
.text, #text, p{  
    color:#00AF5E  
}
```

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 #00AF5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AF5E
}
```

Border

The CSS property to change the border of an element to Hex 00AF5E 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
#00AF5E }
```

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

```
.border{ border-color:#00AF5E }
```

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

Here you see how a box with a 4 pixel #00AF5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AF5E; -webkit-box-shadow:4px 4px  
4px 4px #00AF5E; box-shadow:4px 4px 4px  
4px #00AF5E }
```

Background

The CSS property to change the background color of an element to Hex 00AF5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AF5E }
```

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

```
.background{ background-color:#00AF5E }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor