

Converting Colors

Hex(00AA56)

Have a look what the booklet for
Hex(00AA56) contains.

Hex(00AA56)	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(00AA56)

Conversions

Conversions Part 1

Format	Color
Hex	00AA56
RGB	0, 170, 86
RGB Percent	0%, 67%, 34%
CMY	1.0000, 0.3333, 0.6627
CMYK	1.00, 0.00, 0.49, 0.33
HSL	150°, 100%, 33%
HSV	150°, 100%, 67%
XYZ	16.0544, 29.4213, 13.6368
YIQ	109.5940, -74.3560, -62.1640

Conversions

Conversions Part 2

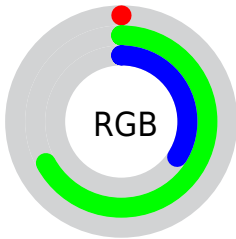
Format	Color
R_{YB}	0, 113, 170
Decimal	43606
CIE _{Lab}	61.15, -56.16, 32.96
CIE _{LCh}	61, 65.116, 149.595
Yxy	29.4213, 0.2716, 0.4977
Android (android.graphics.Color)	4278233686 (0xFF00AA56)
YUV	109.5940, -11.6318, -96.1139
Hunter-Lab	54.2414, -42.0899, 23.0629

Details

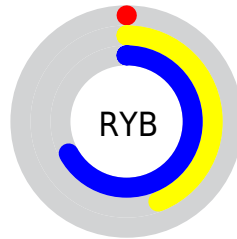
The Hex color **00AA56** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA0054**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **5CE389**, and **007426** is the 20% darker color. If you saturate the color by 10%, you get **00AA56**, and if you desaturate by 10%, it is **11AA5E**.

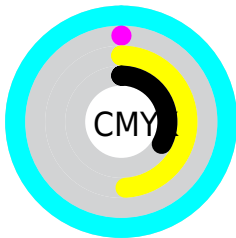
Distribution



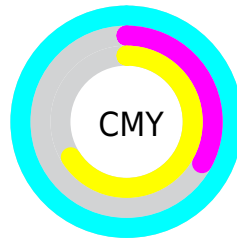
- Red (0%)
- Green (67%)
- Blue (34%)



- Red (0%)
- Yellow (44%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AA56 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 00AA56 by changing the saturation by 10% instead.

 00AA56

 00AA56

FFFFFF

 008F3E

 5CE389

 007426

 7BFFA4

 005A0D

 99FFBF

 004100

 B6FFDB

 002B00


 D4FFF8

 000800

 F3FFFF

 000000

 00AA56

 11AA5E

 22AA67

 33AA6F

 44AA78

 55AA80

 66AA88

 77AA91

 88AA99

 99AAA2

Harmonies

Analogous

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



77A122



00AA56



00AE91

Triad

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



00AA56



009BFF



F7625E

Complementary

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



00AA56



AA0054

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.



F85A97



00AA56



9085F8

Square

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



00AA56



00A8F6



D86ACF



DD7A2D

Rectangle

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



00AA56



00AEB9



D86ACF



FB5D71

Sweetspot

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



00AA56



9BDEBD



55AA00



48705C



F0F0F0



707070

Same Dimension

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



00AA56



00DE70



00AAAA



4C5450



00944B



00140A

Inverse Universe

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



AA0054



DE006E



AA0000



544C50



940049



14000A

Previews

White Background



This preview shows how the Hex color 00AA56 looks on a white background.

Color Contrast Check

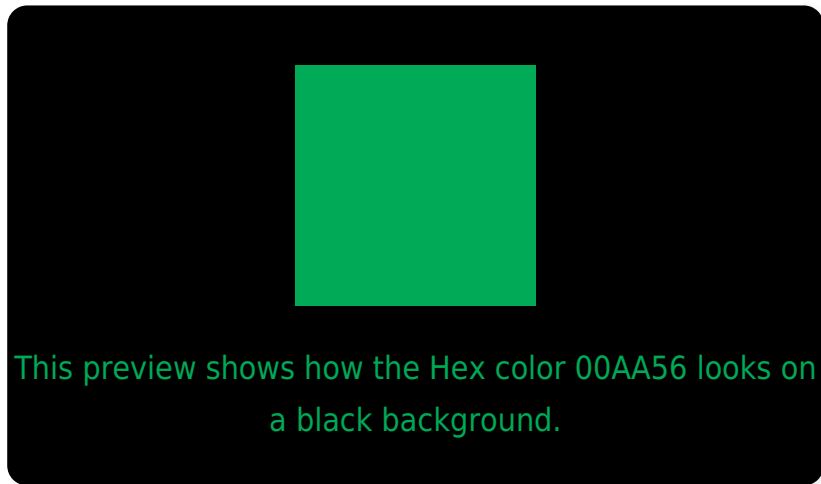
Large Text (above 18pt) WCAG AA ✓ Pass

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 00AA56 Background



This preview shows how black text looks on a background with the Hex color 00AA56.



This preview shows how white text looks on a background with the Hex color 00AA56.

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
00AA56

Protanopia
A2934E

Deuteranopia
B18C5D

Trichromacy



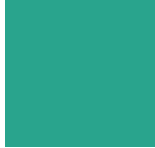
Original Color
00AA56



Protanomaly
679B51



Deuteranomaly
71975A



Tritanomaly
29A48D

Monochromacy



Original Color
00AA56



Achromatopsia
6E6E6E



Achromatomaly
468465

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AA56 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 #00AA56 looks like.

```
.text, #text, p{  
    color:#00AA56  
}
```

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 #00AA56 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AA56
}
```

Border

The CSS property to change the border of an element to Hex 00AA56 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
#00AA56 }
```

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

```
.border{ border-color:#00AA56 }
```

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

Here you see how a box with a 4 pixel #00AA56 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AA56; -webkit-box-shadow:4px 4px  
4px 4px #00AA56; box-shadow:4px 4px 4px  
4px #00AA56 }
```

Background

The CSS property to change the background color of an element to Hex 00AA56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AA56 }
```

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

```
.background{ background-color:#00AA56 }
```

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