

Converting Colors

Hex(0AA737)

Have a look what the booklet for
Hex(0AA737) contains.

Hex(0AA737)	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(0AA737)

Conversions

Conversions Part 1

Format	Color
Hex	0AA737
RGB	10, 167, 55
RGB Percent	4%, 65%, 22%
CMY	0.9608, 0.3451, 0.7843
CMYK	0.94, 0.00, 0.67, 0.35
HSL	137°, 89%, 35%
HSV	137°, 94%, 65%
XYZ	14.6335, 27.9778, 8.2434
YIQ	107.2890, -57.6200, -68.1160

Conversions

Conversions Part 2

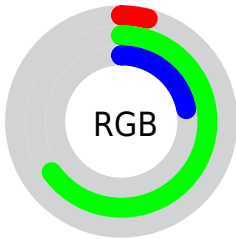
Format	Color
RYB	10, 132, 167
Decimal	698167
CIELab	59.87, -59.04, 46.20
CIELCh	60, 74.966, 141.955
Yxy	27.9778, 0.2878, 0.5502
Android (android.graphics.Color)	4278888247 (0xFF0AA737)
YUV	107.2890, -25.7785, -85.3225
Hunter-Lab	52.8940, -43.1814, 27.7856

Details

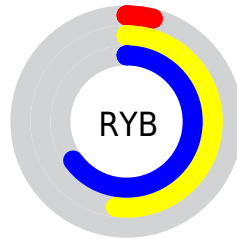
The Hex color **0AA737** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A70A7A**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **5EDF6B**, and **007100** is the 20% darker color. If you saturate the color by 10%, you get **00A730**, and if you desaturate by 10%, it is **1BA743**.

Distribution



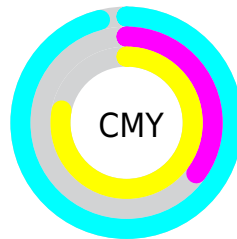
- Red (4%)
- Green (65%)
- Blue (22%)



- Red (4%)
- Yellow (52%)
- Blue (65%)



- Cyan (94%)
- Magenta (0%)
- Yellow (67%)
- Black (35%)



- Cyan (96%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0AA737 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 0AA737 by changing the saturation by 10% instead.

 0AA737

 0AA737

FFFFFF

 008C1C

 5EDF6B

 007100

 7DFD85

 005800

 9BFFA0

 003F00

 B9FFBC

 002800

 D7FFD9

 000000

 F5FFF6

 0AA737

 0AA737

 00A730

 1BA743

 2BA74F

 3CA75B

 4DA767

 5DA773

 6EA77E

 7FA78A

 90A796

 A0A7A2

Harmonies

Analogous

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



7F9B00



0AA737



00AD7C

Triad

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



0AA737



009EFF



FF4C63

Complementary

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



0AA737



A70A7A

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.



FC48A5



0AA737



6487FF

Square

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



0AA737



00AAF8



CD66E3



EA6A25

Rectangle

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



0AA737



00AEAA



CD66E3



FF4679

Sweetspot

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



0AA737



9CD9AD



7BA70A



486E53



EDEDED



6E6E6E

Same Dimension

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



0AA737



00D93E



0AA785



4C544E



00942A



001406

Inverse Universe

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



A70A7A



D9009B



A70A2C



544C52



94006A



14000F

Previews

White Background



This preview shows how the Hex color 0AA737 looks on a white background.

Color Contrast Check

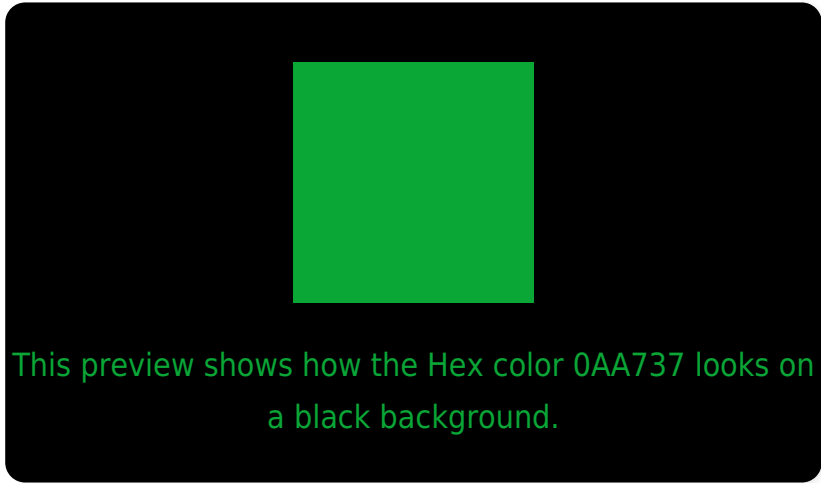
Large Text (above 18pt) WCAG AA ✓ Pass

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 0AA737 Background



This preview shows how black text looks on a background with the Hex color 0AA737.



This preview shows how white text looks on a background with the Hex color 0AA737.

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](#).

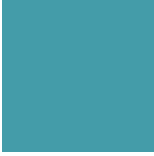
Dichromacy



Original Color
0AA737

Protanopia
A08F31

Deuteranopia
B18841



Tritanopia
449CA9

Trichromacy



Original Color
0AA737



Protanomaly
699833



Deuteranomaly
74933D



Tritanomaly
2FA080

Monochromacy



Original Color
0AA737



Achromatopsia
6B6B6B



Achromatomaly
488158

CSS Examples

Text

The CSS property to change the color of the text to Hex 0AA737 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 #0AA737 looks like.

```
.text, #text, p{  
    color:#0AA737  
}
```

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 #0AA737 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AA737
}
```

Border

The CSS property to change the border of an element to Hex 0AA737 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
#0AA737 }
```

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

```
.border{ border-color:#0AA737 }
```

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

Here you see how a box with a 4 pixel #0AA737 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AA737; -webkit-box-shadow:4px 4px  
4px 4px #0AA737; box-shadow:4px 4px 4px  
4px #0AA737 }
```

Background

The CSS property to change the background color of an element to Hex 0AA737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AA737 }
```

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

```
.background{ background-color:#0AA737 }
```

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