

# Converting Colors

Hex(0AA122)

Have a look what the booklet for  
Hex(0AA122) contains.

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# Color

Hex(0AA122)

# Conversions

## Conversions Part 1

Format	Color
Hex	0AA122
RGB	10, 161, 34
RGB Percent	4%, 63%, 13%
CMY	0.9608, 0.3686, 0.8667
CMYK	0.94, 0.00, 0.79, 0.37
HSL	130°, 88%, 34%
HSV	130°, 94%, 63%
XYZ	13.1588, 25.6698, 5.7746
YIQ	101.3730, -49.2290, -71.5090

# Conversions

## Conversions Part 2

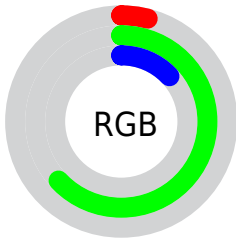
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 140, 161
Decimal	696610
CIELab	57.72, -59.11, 51.97
CIELCh	58, 78.703, 138.680
Yxy	25.6698, 0.2950, 0.5755
Android (android.graphics.Color)	4278886690 (0xFF0AA122)
YUV	101.3730, -33.2149, -80.1341
Hunter-Lab	50.6653, -42.3044, 28.7081

# Details

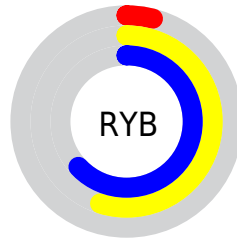
The Hex color **0AA122** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A10A89**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **5DD959**, and **006C00** is the 20% darker color. If you saturate the color by 10%, you get **00A11A**, and if you desaturate by 10%, it is **1AA130**.

# Distribution



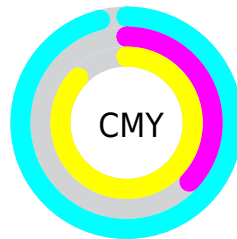
- Red (4%)
- Green (63%)
- Blue (13%)



- Red (4%)
- Yellow (55%)
- Blue (63%)



- Cyan (94%)
- Magenta (0%)
- Yellow (79%)
- Black (37%)



- Cyan (96%)
- Magenta (37%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0AA122 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 0AA122 by changing the saturation by 10% instead.



 0AA122

 0AA122

FFFFFF

 008600

 5DD959

 006C00

 7CF673

 005200

 9AFF8E

 003A00

 B8FFAA

 002200

 D6FFC6

 000000

 F4FFE3

 0AA122

 0AA122

 00A11A

 1AA130

 2AA13D

 3AA14B

 4AA158

 5BA166

 6BA173

 7BA181

 8BA18E

 9BA19C

# Harmonies

## Analogous

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



7F9400



0AA122



00A76D

# Triad

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



0AA122



009BFF



FF3A63

# Complementary

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



0AA122



A10A89

# 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.



F73BA8



0AA122



3A84FF

# Square

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



0AA122



00A6F2



C161E7



EB5E20

# Rectangle

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



0AA122



00A99E



C161E7



FF347A



# Sweetspot

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



0AA122



97D1A0



8AA10A



45694B



E8E8E8



696969



# Same Dimension

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



0AA122



00D121



0AA16C



49524B



009117



001203



# Inverse Universe

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



A10A89



D100B0



A10A3F



524950



91007A

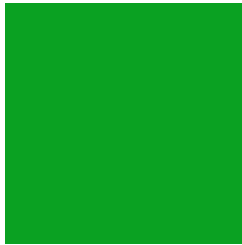


12000F



# Previews

## White Background



This preview shows how the Hex color 0AA122 looks on a white background.

## Color Contrast Check

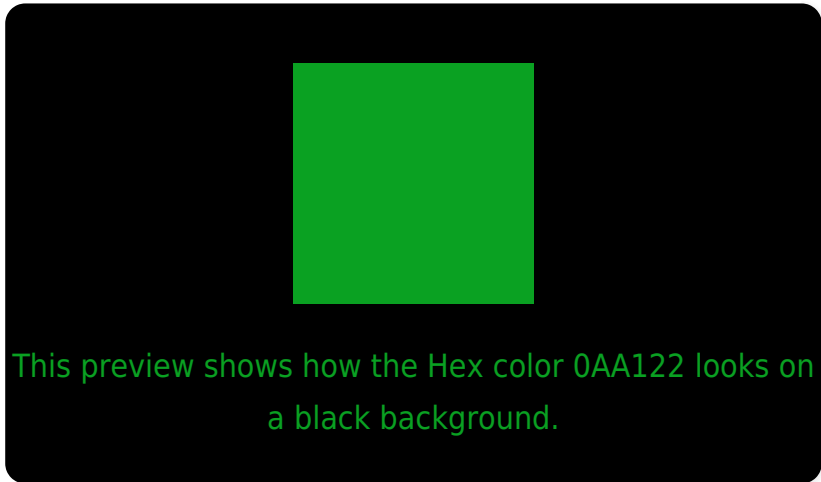
Large Text (above 18pt) WCAG AA ✓ Pass

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 0AA122 Background



This preview shows how black text looks on a background with the Hex color 0AA122.

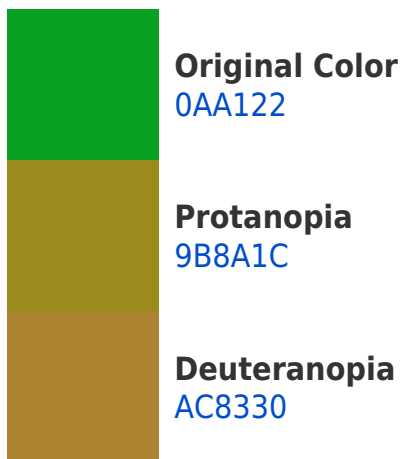


This preview shows how white text looks on a background with the Hex color 0AA122.

# 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**  
4396A2

# Trichromacy



**Original Color**  
0AA122



**Protanomaly**  
66921E



**Deuteranomaly**  
718E2B



**Tritanomaly**  
2E9A73

# Monochromacy



**Original Color**  
0AA122



**Achromatopsia**  
656565



**Achromatomaly**  
447B4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0AA122 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 #0AA122 looks like.

```
.text, #text, p{  
    color:#0AA122  
}
```

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 #0AA122 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AA122
}
```

## Border

The CSS property to change the border of an element to Hex 0AA122 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".

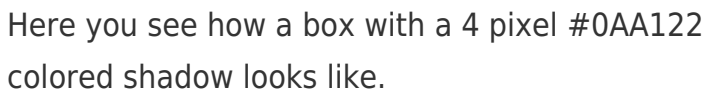
```
.border, #border, table{ border:4px solid
#0AA122 }
```

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

```
.border{ border-color:#0AA122 }
```

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

Here you see how a box with a 4 pixel #0AA122 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AA122; -webkit-box-shadow:4px 4px  
4px 4px #0AA122; box-shadow:4px 4px 4px  
4px #0AA122 }
```

# Background

The CSS property to change the background color of an element to Hex 0AA122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AA122 }
```

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

```
.background{ background-color:#0AA122 }
```

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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