

# Converting Colors

Hex(047612)

Have a look what the booklet for  
Hex(047612) contains.

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# Color

Hex(047612)

# Conversions

## Conversions Part 1

Format	Color
Hex	047612
RGB	4, 118, 18
RGB Percent	2%, 46%, 7%
CMY	0.9843, 0.5373, 0.9294
CMYK	0.97, 0.00, 0.85, 0.54
HSL	127°, 93%, 24%
HSV	127°, 97%, 46%
XYZ	6.6377, 13.0264, 2.7368
YIQ	72.5140, -35.8440, -55.2680

# Conversions

## Conversions Part 2

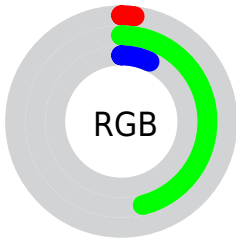
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 106, 118
Decimal	292370
CIELab	42.80, -47.56, 42.80
CIELCh	43, 63.980, 138.015
Yxy	13.0264, 0.2963, 0.5815
Android (android.graphics.Color)	4278482450 (0xFF047612)
YUV	72.5140, -26.8754, -60.0868
Hunter-Lab	36.0920, -30.3331, 20.7686

# Details

The Hex color **047612** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **760468**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **4FAB47**, and **004400** is the 20% darker color. If you saturate the color by 10%, you get **00760E**, and if you desaturate by 10%, it is **10761C**.

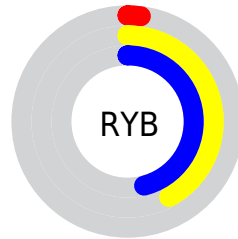
# Distribution



Red (2%)

Green (46%)

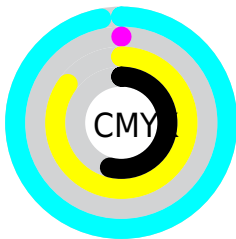
Blue (7%)



Red (2%)

Yellow (42%)

Blue (46%)

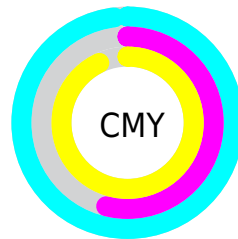


Cyan (97%)

Magenta (0%)

Yellow (85%)

Black (54%)



Cyan (98%)

Magenta (54%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 047612 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 047612 by changing the saturation by 10% instead.



 047612

 047612

FFFFFF

 005D00

 4FAB47

 004400

 6BC760

 002E00

 87E37A

 001100

 A4FF95

 000000

 C0FFB0

 DEFFCC

 FBFFE9

 047612

 047612

■ 00760E

■ 10761C

■ 1C7627

■ 277631

■ 33763B

■ 3F7646

■ 4B7650

■ 57765A

■ 627665

■ 6E766F

# Harmonies

## Analogous

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



5D6C00



047612



007B4D

# Triad

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



047612



0072CD



C02548

# Complementary

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



047612



760468

# 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.



B7277D



047612



1E60CB

# Square

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



047612



007AB3



8E45AD



AF4114

# Rectangle

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



047612



007C72



8E45AD



C02059



# Sweetspot

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



047612



6D9972



697604



324D35



CCCCCC



4D4D4D



# Same Dimension

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



047612



009913



04764A



353B36



007A0F



00FA1F



# Inverse Universe

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



760468



990086



760430



3B353A



7A006B

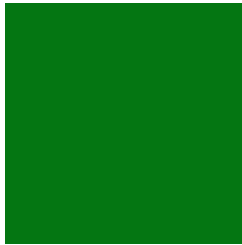


FA00DB



# Previews

## White Background



This preview shows how the Hex color 047612 looks on a white background.

## Color Contrast Check

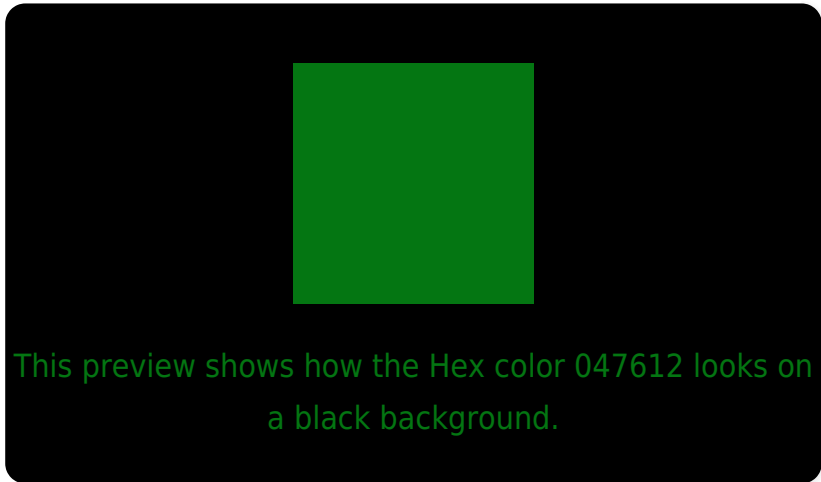
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 047612 Background



This preview shows how black text looks on a background with the Hex color 047612.



This preview shows how white text looks on a background with the Hex color 047612.

# 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**  
047612

**Protanopia**  
72650D

**Deuteranopia**  
7E601F



**Tritanopia**  
316E77

# Trichromacy



**Original Color**

047612



**Protanomaly**

4A6B0F



**Deuteranomaly**

52681A



**Tritanomaly**

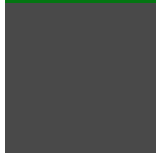
217152

# Monochromacy



**Original Color**

047612



**Achromatopsia**

494949



**Achromatomaly**

305935

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 047612 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 #047612 looks like.

```
.text, #text, p{  
    color:#047612  
}
```

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 #047612 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #047612
}
```

## Border

The CSS property to change the border of an element to Hex 047612 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".

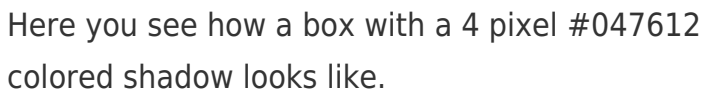
```
.border, #border, table{ border:4px solid
#047612 }
```

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

```
.border{ border-color:#047612 }
```

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

Here you see how a box with a 4 pixel #047612 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #047612; -webkit-box-shadow:4px 4px  
4px 4px #047612; box-shadow:4px 4px 4px  
4px #047612 }
```

# Background

The CSS property to change the background color of an element to Hex 047612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#047612 }
```

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

```
.background{ background-color:#047612 }
```

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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