

# Converting Colors

Hex(0F9731)

Have a look what the booklet for  
Hex(0F9731) contains.

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**Color**

**Hex(0F9731)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0F9731
RGB	15, 151, 49
RGB Percent	6%, 59%, 19%
CMY	0.9412, 0.4078, 0.8078
CMYK	0.90, 0.00, 0.68, 0.41
HSL	135°, 82%, 33%
HSV	135°, 90%, 59%
XYZ	11.8180, 22.4565, 6.6174
YIQ	98.7080, -48.3140, -60.5540

# Conversions

## Conversions Part 2

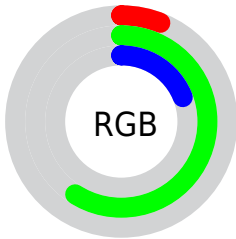
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 124, 151
Decimal	1021745
CIELab	54.51, -54.36, 42.93
CIELCh	55, 69.266, 141.697
Yxy	22.4565, 0.2890, 0.5492
Android (android.graphics.Color)	4279211825 (0xFF0F9731)
YUV	98.7080, -24.5060, -73.4119
Hunter-Lab	47.3883, -38.4141, 24.8924

# Details

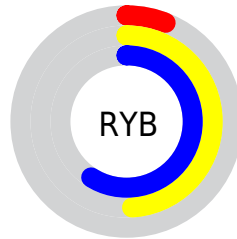
The Hex color **0F9731** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **970F75**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **5BCE64**, and **006200** is the 20% darker color. If you saturate the color by 10%, you get **009726**, and if you desaturate by 10%, it is **1E973C**.

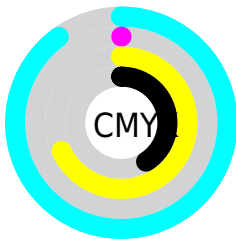
# Distribution



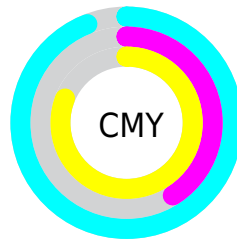
- Red (6%)
- Green (59%)
- Blue (19%)



- Red (6%)
- Yellow (49%)
- Blue (59%)



- Cyan (90%)
- Magenta (0%)
- Yellow (68%)
- Black (41%)



- Cyan (94%)
- Magenta (41%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0F9731 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 0F9731 by changing the saturation by 10% instead.



 0F9731

 0F9731

FFFFFF

 007C16

 5BCE64

 006200

 79EB7E

 004900

 96FF99

 003200

 B3FFB4

 001800

 D1FFD0

 000000

 EFFFED

 0F9731

 0F9731

 009726

 1E973C

 2D9748

 3C9753

 4B975E

 5B976A

 6A9775

 799780

 88978C

 979797

# Harmonies

## Analogous

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



748C00



0F9731



009C6F

# Triad

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



0F9731



008FFA



EA445A

# Complementary

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



0F9731



970F75

# 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.



E44196



0F9731



597AF3

# Square

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



0F9731



009AE0



B95CCE



D55F21

# Rectangle

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



0F9731



009D99



B95CCE



EC3F6E



# Sweetspot

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



0F9731



8FC49D



75970F



44634C



E3E3E3



636363



# Same Dimension

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



0F9731



00C431



0F9775



454D47



008C23



000D03



# Inverse Universe

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



970F75



C40093



970F31



4D454B



8C0069



0D000A



# Previews

## White Background



This preview shows how the Hex color 0F9731 looks on a white background.

## Color Contrast Check

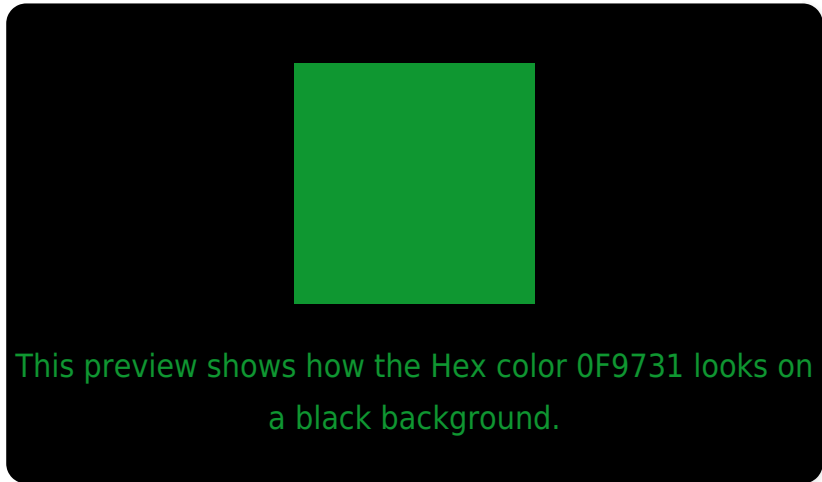
Large Text (above 18pt) WCAG AA ✓ Pass

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 0F9731 Background



This preview shows how black text looks on a background with the Hex color 0F9731.



This preview shows how white text looks on a background with the Hex color 0F9731.

# 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**  
0F9731

**Protanopia**  
91822B

**Deuteranopia**  
A07B3A



**Tritanopia**  
3F8D99

# Trichromacy



**Original Color**  
0F9731



**Protanomaly**  
628A2D



**Deuteranomaly**  
6B8537



**Tritanomaly**  
2E9173

# Monochromacy



**Original Color**  
0F9731



**Achromatopsia**  
636363



**Achromatomaly**  
447651

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0F9731 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 #0F9731 looks like.

```
.text, #text, p{  
    color:#0F9731  
}
```

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 #0F9731 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0F9731
}
```

## Border

The CSS property to change the border of an element to Hex 0F9731 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
#0F9731 }
```

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

```
.border{ border-color:#0F9731 }
```

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

Here you see how a box with a 4 pixel #0F9731 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0F9731; -webkit-box-shadow:4px 4px  
4px 4px #0F9731; box-shadow:4px 4px 4px  
4px #0F9731 }
```

# Background

The CSS property to change the background color of an element to Hex 0F9731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0F9731 }
```

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

```
.background{ background-color:#0F9731 }
```

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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