

# Converting Colors

Hex(0CA83F)

Have a look what the booklet for  
Hex(0CA83F) contains.

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**Color**

**Hex(0CA83F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0CA83F
RGB	12, 168, 63
RGB Percent	5%, 66%, 25%
CMY	0.9529, 0.3412, 0.7529
CMYK	0.93, 0.00, 0.62, 0.34
HSL	140°, 87%, 35%
HSV	140°, 93%, 66%
XYZ	15.0515, 28.4423, 9.3992
YIQ	109.3860, -59.2710, -65.7270

# Conversions

## Conversions Part 2

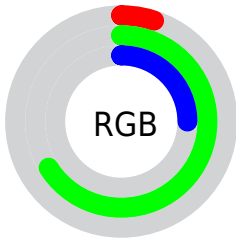
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">12, 130, 168</a>
Decimal	<a href="#">829503</a>
CIELab	<a href="#">60.29, -58.31, 43.14</a>
CIELCh	<a href="#">60, 72.532, 143.506</a>
Yxy	<a href="#">28.4423, 0.2846, 0.5377</a>
Android (android.graphics.Color)	<a href="#">4279019583</a> ( <a href="#">0xFF0CA83F</a> )
YUV	<a href="#">109.3860, -22.8683, -85.4075</a>
Hunter-Lab	<a href="#">53.3313, -42.9526, 26.8825</a>

# Details

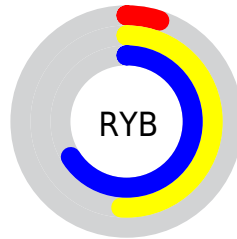
The Hex color **0CA83F** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A80C75**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **5FE072**, and **007206** is the 20% darker color. If you saturate the color by 10%, you get **00A837**, and if you desaturate by 10%, it is **1DA84A**.

# Distribution



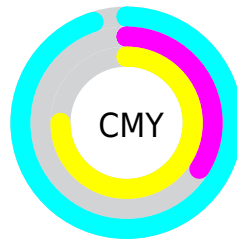
- Red (5%)
- Green (66%)
- Blue (25%)



- Red (5%)
- Yellow (51%)
- Blue (66%)



- Cyan (93%)
- Magenta (0%)
- Yellow (62%)
- Black (34%)



- Cyan (95%)
- Magenta (34%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0CA83F 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 0CA83F by changing the saturation by 10% instead.



 0CA83F

 0CA83F

FFFFFF

 008D25

 5FE072

 007206

 7DFE8D

 005800

 9BFFA8

 004000

 B9FFC4

 002900

 D7FFE0

 000200

 F5FFFD

 000000

 0CA83F

 0CA83F

 00A837

 1DA84A

 2EA856

 3EA861

 4FA86C

 60A878

 71A883

 82A88E

 92A899

 A3A8A5

# Harmonies

## Analogous

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



7E9D00



0CA83F



00AD81

# Triad

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



0CA83F



009DFF



FF5263

# Complementary

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



0CA83F



A80C75

# 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.



FB4DA2



0CA83F



7186FF

# Square

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



0CA83F



00AAF8



D067DE



E86E27

# Rectangle

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



0CA83F



00AEAD



D067DE



FF4C77



# Sweetspot

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



0CA83F



9EDBB2



77A80C



486E55



EDEDED



6E6E6E



# Same Dimension

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



0CA83F



00DB48



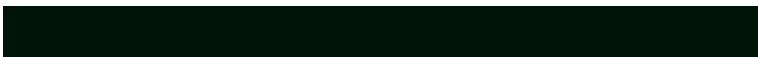
0CA88B



4C544E



009430



001407



# Inverse Universe

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



A80C75



DB0094



A80C29



544C51



940064



14000E



# Previews

## White Background



This preview shows how the Hex color 0CA83F looks on a white background.

## Color Contrast Check

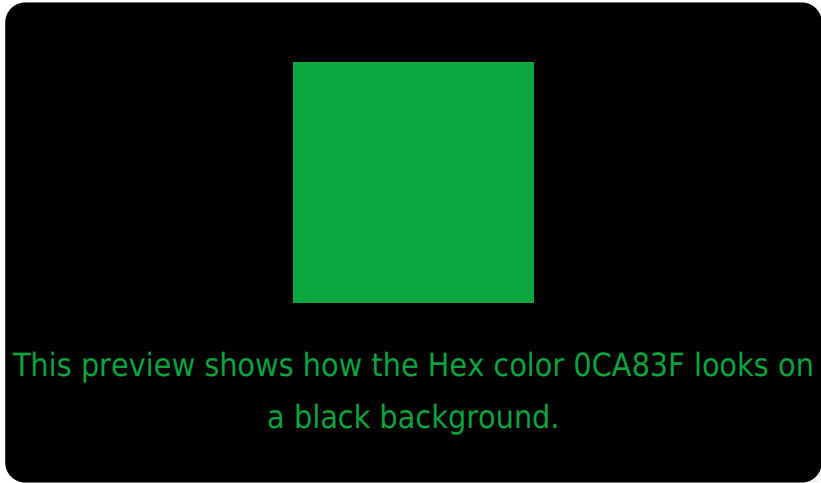
Large Text (above 18pt) WCAG AA ✓ Pass

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 0CA83F Background



This preview shows how black text looks on a background with the Hex color 0CA83F.



This preview shows how white text looks on a background with the Hex color 0CA83F.

# 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**  
0CA83F

**Protanopia**  
A19138

**Deuteranopia**  
B18948



**Tritanopia**  
449DAA

# Trichromacy



**Original Color**  
0CA83F



**Protanomaly**  
6B993B



**Deuteranomaly**  
759445



**Tritanomaly**  
30A183

# Monochromacy



**Original Color**  
0CA83F



**Achromatopsia**  
6D6D6D



**Achromatomaly**  
4A825C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0CA83F 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 #0CA83F looks like.

```
.text, #text, p{  
    color:#0CA83F  
}
```

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 #0CA83F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0CA83F
}
```

## Border

The CSS property to change the border of an element to Hex 0CA83F is called "border". The border property can be set on classes, ids or directly on the HTML element.

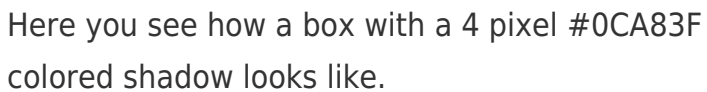
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0CA83F }
```

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

```
.border{ border-color:#0CA83F }
```

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



Here you see how a box with a 4 pixel #0CA83F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0CA83F; -webkit-box-shadow:4px 4px  
4px 4px #0CA83F; box-shadow:4px 4px 4px  
4px #0CA83F }
```

# Background

The CSS property to change the background color of an element to Hex 0CA83F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0CA83F }
```

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

```
.background{ background-color:#0CA83F }
```

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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