

# Converting Colors

Hex(00830F)

Have a look what the booklet for  
Hex(00830F) contains.

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**Color**

**Hex(00830F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00830F
RGB	0, 131, 15
RGB Percent	0%, 51%, 6%
CMY	1.0000, 0.4863, 0.9412
CMYK	1.00, 0.00, 0.89, 0.49
HSL	127°, 100%, 26%
HSV	127°, 100%, 51%
XYZ	8.2025, 16.2671, 3.1595
YIQ	78.6070, -40.8400, -63.8480

# Conversions

## Conversions Part 2

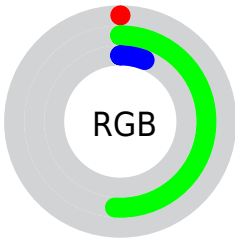
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 131
Decimal	33551
CIELab	47.32, -51.99, 47.72
CIELCh	47, 70.568, 137.451
Yxy	16.2671, 0.2969, 0.5888
Android (android.graphics.Color)	4278223631 (0xFF00830F)
YUV	78.6070, -31.3583, -68.9383
Hunter-Lab	40.3325, -34.2798, 23.5882

# Details

The Hex color **00830F** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **830074**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **52B947**, and **005000** is the 20% darker color. If you saturate the color by 10%, you get **00830F**, and if you desaturate by 10%, it is **0D831B**.

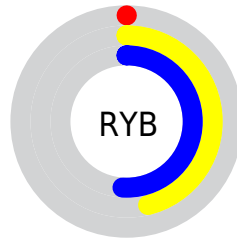
# Distribution



Red (0%)

Green (51%)

Blue (6%)



Red (0%)

Yellow (46%)

Blue (51%)

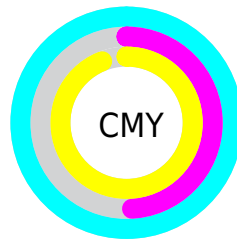


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (49%)



Cyan (100%)

Magenta (49%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00830F 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 00830F by changing the saturation by 10% instead.



 00830F

 00830F

FFFFFF

 006900

 52B947

 005000

 6FD561

 003800

 8CF27C

 002100

 A9FF97

 000000

 C6FFB2

 E4FFCE

 FFFFEB

 00830F

 0D831B

 1A8326

 278332

 34833D

 428349

 4F8355

 5C8360

 69836C

 768377

# Harmonies

## Analogous

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



687800



00830F



008854

# Triad

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



00830F



007FE5



D62551

# Complementary

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



00830F



830074

# 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.



CC298C



00830F



0C6CE3

# Square

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



00830F



0088C7



9C4DC2



C44715

# Rectangle

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



00830F



008A7E



9C4DC2



D61F64



# Sweetspot

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



00830F



78AB7D



768300



37573B



D6D6D6



575757



# Same Dimension

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



00830F



00AB14



00834F



3C423C



00820F



000300



# Inverse Universe

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



830074



AB0097



830034



423C42



820073

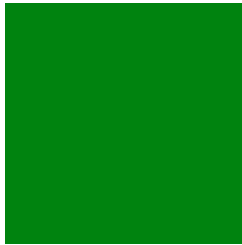


030002



# Previews

## White Background



This preview shows how the Hex color 00830F looks on a white background.

## Color Contrast Check

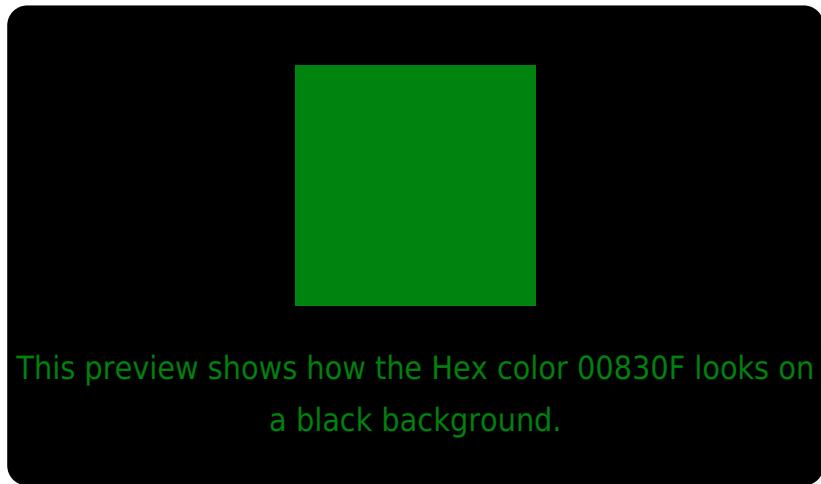
Large Text (above 18pt) WCAG AA ✓ Pass

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 00830F Background



This preview shows how black text looks on a background with the Hex color 00830F.



This preview shows how white text looks on a background with the Hex color 00830F.

# 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**  
00830F

**Protanopia**  
7E7007

**Deuteranopia**  
8C6A20



**Tritanopia**  
377A84

# Trichromacy



**Original Color**  
00830F



**Protanomaly**  
50770A



**Deuteranomaly**  
59731A



**Tritanomaly**  
237D59

# Monochromacy



**Original Color**  
00830F



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
326238

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00830F 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 #00830F looks like.

```
.text, #text, p{  
    color:#00830F  
}
```

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 #00830F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00830F
}
```

## Border

The CSS property to change the border of an element to Hex 00830F is called "border". The border property can be set on classes, ids or directly on the HTML element.

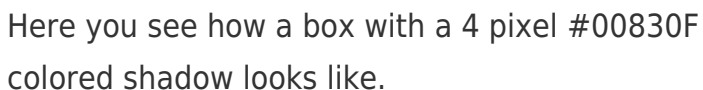
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00830F }
```

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

```
.border{ border-color:#00830F }
```

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



Here you see how a box with a 4 pixel #00830F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00830F; -webkit-box-shadow:4px 4px  
4px 4px #00830F; box-shadow:4px 4px 4px  
4px #00830F }
```

# Background

The CSS property to change the background color of an element to Hex 00830F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00830F }
```

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

```
.background{ background-color:#00830F }
```

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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