

# Converting Colors

Hex(133F0F)

Have a look what the booklet for  
Hex(133F0F) contains.

<b>Hex(133F0F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(133F0F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	133F0F
RGB	19, 63, 15
RGB Percent	7%, 25%, 6%
CMY	0.9255, 0.7529, 0.9412
CMYK	0.70, 0.00, 0.76, 0.75
HSL	115°, 62%, 15%
HSV	115°, 76%, 25%
XYZ	2.1323, 3.7280, 1.0591
YIQ	44.3720, -10.8160, -24.2560

# Conversions

## Conversions Part 2

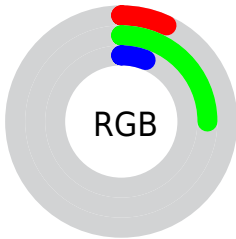
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 63, 59
Decimal	1261327
CIE <sub>Lab</sub>	22.75, -26.01, 24.12
CIE <sub>LCh</sub>	23, 35.473, 137.163
Yxy	3.7280, 0.3082, 0.5388
Android (android.graphics.Color)	4279451407 (0xFF133F0F)
YUV	44.3720, -14.4804, -22.2512
Hunter-Lab	19.3079, -14.0760, 10.2632

# Details

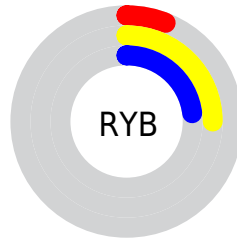
The Hex color **133F0F** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3B0F3F**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **446F3C**, and **001100** is the 20% darker color. If you saturate the color by 10%, you get **0D3F09**, and if you desaturate by 10%, it is **193F15**.

# Distribution



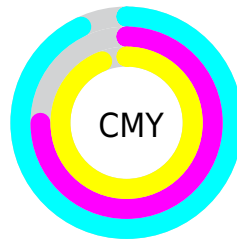
- Red (7%)
- Green (25%)
- Blue (6%)



- Red (6%)
- Yellow (25%)
- Blue (23%)



- Cyan (70%)
- Magenta (0%)
- Yellow (76%)
- Black (75%)



- Cyan (93%)
- Magenta (75%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 133F0F 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 133F0F by changing the saturation by 10% instead.



 133F0F

 133F0F

 FFFFF3

 002900

 446F3C

 001100

 5D8953

 000000

 77A36C

 91BF85

 ACDA0

 C8F7BB

 E4FFD7

 133F0F

 133F0F

■ 0D3F09

■ 193F15

■ 073F02

■ 1F3F1C

■ 053F00

■ 243F22

■ 2A3F28

■ 303F2F

■ 363F35

■ 3B3F3B

■ 413F41

■ 473F48

# Harmonies

## Analogous

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



353A00



133F0F



00422A

# Triad

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



133F0F



003D6A



651B28

# Complementary

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



133F0F



3B0F3F

# 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.



601C43



133F0F



1B3469

# Square

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



133F0F



00415D



4A285B



5D2510

# Rectangle

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



133F0F



00423C



4A285B



651A31



# Sweetspot

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



133F0F



40523F



3F3B0F



1E291D



A8A8A8



292929



# Same Dimension

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



133F0F



0E5207



0F3F23



1C1F1C



085E00



12DE00



# Inverse Universe

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



3B0F3F



4B0752



3F0F2B



1E1C1F



56005E

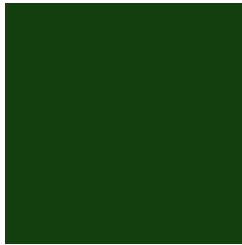


CB00DE



# Previews

## White Background



This preview shows how the Hex color 133F0F looks on a white background.

## Color Contrast Check

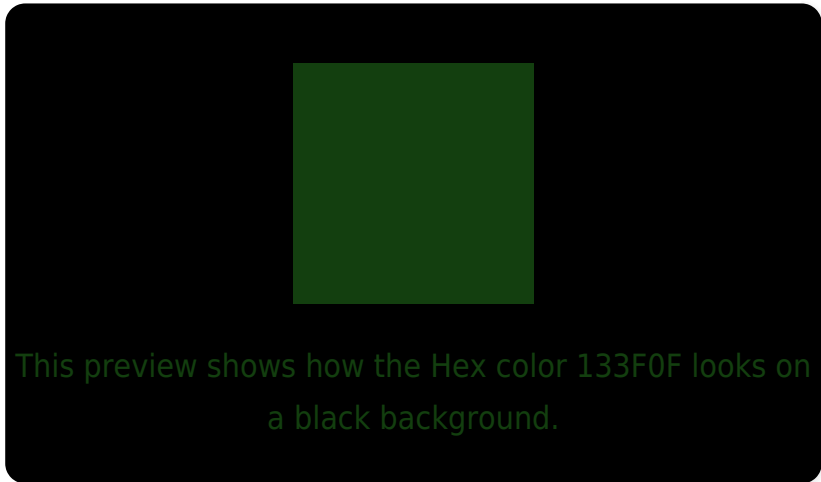
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

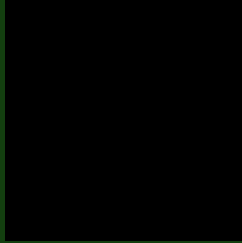
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 133F0F Background



This preview shows how black text looks on a background with the Hex color 133F0F.



This preview shows how white text looks on a background with the Hex color 133F0F.

# 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**  
133F0F

**Protanopia**  
3D370D

**Deuteranopia**  
443414



**Tritanopia**  
1F3B3F

# Trichromacy



**Original Color**  
133F0F

**Protanomaly**  
2E3A0E

**Deuteranomaly**  
323812

**Tritanomaly**  
1B3C2E

# Monochromacy



**Original Color**  
133F0F

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
233321

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 133F0F 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 #133F0F looks like.

```
.text, #text, p{  
    color:#133F0F  
}
```

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 #133F0F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #133F0F
}
```

## Border

The CSS property to change the border of an element to Hex 133F0F 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
#133F0F }
```

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

```
.border{ border-color:#133F0F }
```

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

Here you see how a box with a 4 pixel #133F0F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #133F0F; -webkit-box-shadow:4px 4px  
4px 4px #133F0F; box-shadow:4px 4px 4px  
4px #133F0F }
```

# Background

The CSS property to change the background color of an element to Hex 133F0F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#133F0F }
```

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

```
.background{ background-color:#133F0F }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor