

# Converting Colors

Hex(103F12)

Have a look what the booklet for  
Hex(103F12) contains.

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# Color

Hex(103F12)

# Conversions

## Conversions Part 1

Format	Color
Hex	103F12
RGB	16, 63, 18
RGB Percent	6%, 25%, 7%
CMY	0.9373, 0.7529, 0.9294
CMYK	0.75, 0.00, 0.71, 0.75
HSL	123°, 59%, 15%
HSV	123°, 75%, 25%
XYZ	2.1004, 3.7088, 1.1774
YIQ	43.8170, -13.5670, -23.9590

# Conversions

## Conversions Part 2

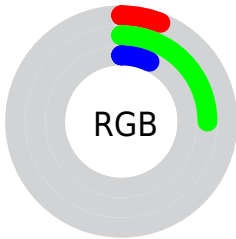
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 61, 63
Decimal	1064722
CIELab	22.68, -26.43, 22.47
CIELCh	23, 34.694, 139.633
Yxy	3.7088, 0.3006, 0.5308
Android (android.graphics.Color)	4279254802 (0xFF103F12)
YUV	43.8170, -12.7278, -24.3955
Hunter-Lab	19.2584, -14.2344, 9.8559

# Details

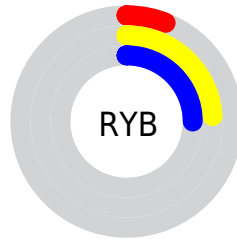
The Hex color **103F12** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3F103D**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **426F3E**, and **001100** is the 20% darker color. If you saturate the color by 10%, you get **0A3F0C**, and if you desaturate by 10%, it is **163F18**.

# Distribution



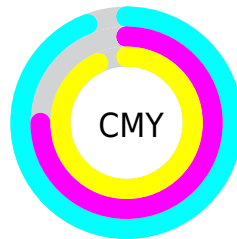
- Red (6%)
- Green (25%)
- Blue (7%)



- Red (6%)
- Yellow (24%)
- Blue (25%)



- Cyan (75%)
- Magenta (0%)
- Yellow (71%)
- Black (75%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 103F12 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 103F12 by changing the saturation by 10% instead.



 103F12

 103F12

 FEFFF6

 002800

 426F3E

 001100

 5B8956

 000000

 74A36F

 8FBF88

 AADBA3

 C5F7BE

 E2FFDA

 103F12

 103F12

■ 0A3F0C

■ 163F18

■ 033F06

■ 1D3F1E

■ 003F03

■ 233F24

■ 293F2A

■ 303F30

■ 363F36

■ 3C3F3C

■ 423F42

■ 493F48

# Harmonies

## Analogous

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



333A00



103F12



00412C

# Triad

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



103F12



003C69



641D26

# Complementary

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



103F12



3F103D

# 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.



601D40



103F12



223367

# Square

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



103F12



00405D



4C2758



5B270F

# Rectangle

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



103F12



00423E



4C2758



641B2F



# Sweetspot

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



103F12



405240



3D3F10



1E291F



A8A8A8



292929



# Same Dimension

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



103F12



08520B



103F29



1C1F1C



005E04



00DE09



# Inverse Universe

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



3F103D



52084E



3F1026



1F1C1E



5E005A

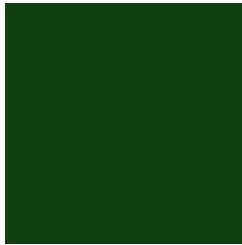


DE00D4



# Previews

## White Background



This preview shows how the Hex color 103F12 looks on a white background.

## Color Contrast Check

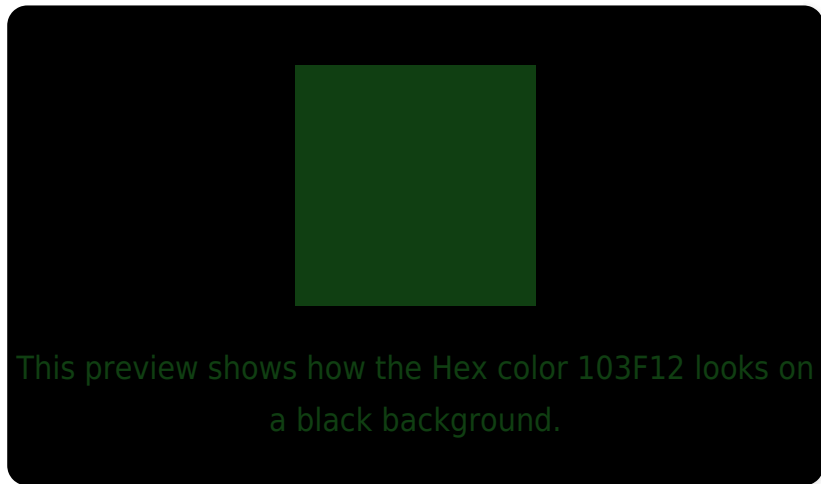
Large Text (above 18pt) WCAG AA ✓ Pass

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

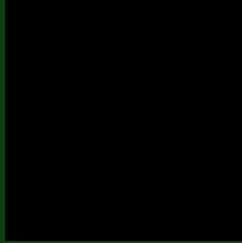
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 103F12 Background



This preview shows how black text looks on a background with the Hex color 103F12.



This preview shows how white text looks on a background with the Hex color 103F12.

# 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](#).

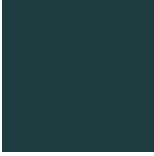
## Dichromacy



**Original Color**  
103F12

**Protanopia**  
3D3610

**Deuteranopia**  
443416



**Tritanopia**  
1E3B40

# Trichromacy



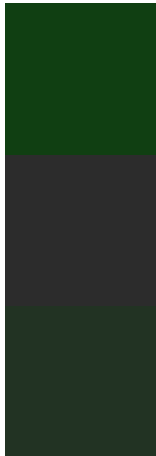
**Original Color**  
103F12

**Protanomaly**  
2D3911

**Deuteranomaly**  
313815

**Tritanomaly**  
193C2F

# Monochromacy



**Original Color**  
103F12

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
223323

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 103F12 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 #103F12 looks like.

```
.text, #text, p{  
    color:#103F12  
}
```

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 #103F12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103F12
}
```

## Border

The CSS property to change the border of an element to Hex 103F12 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
#103F12 }
```

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

```
.border{ border-color:#103F12 }
```

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

Here you see how a box with a 4 pixel #103F12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103F12; -webkit-box-shadow:4px 4px  
4px 4px #103F12; box-shadow:4px 4px 4px  
4px #103F12 }
```

# Background

The CSS property to change the background color of an element to Hex 103F12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103F12 }
```

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

```
.background{ background-color:#103F12 }
```

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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