

# Converting Colors

Hex(301F03)

Have a look what the booklet for  
Hex(301F03) contains.

<b>Hex(301F03)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(301F03)**

# Conversions

## Conversions Part 1

Format	Color
Hex	301F03
RGB	48, 31, 3
RGB Percent	19%, 12%, 1%
CMY	0.8118, 0.8784, 0.9882
CMYK	0.00, 0.35, 0.94, 0.81
HSL	37°, 88%, 10%
HSV	37°, 94%, 19%
XYZ	1.7253, 1.6149, 0.3069
YIQ	32.8910, 19.1200, -5.1040

# Conversions

## Conversions Part 2

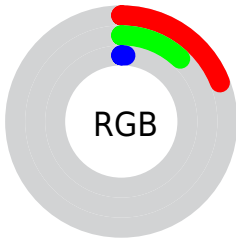
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 48, 3
Decimal	3153667
CIE Lab	13.32, 5.02, 18.58
CIE LCh	13, 19.244, 74.868
Yxy	1.6149, 0.4731, 0.4428
Android (android.graphics.Color)	4281343747 (0xFF301F03)
YUV	32.8910, -14.7363, 13.2506
Hunter-Lab	12.7080, 1.9958, 7.4636

# Details

The Hex color **301F03** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **031430**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **604B31**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **301E00**, and if you desaturate by 10%, it is **302108**.

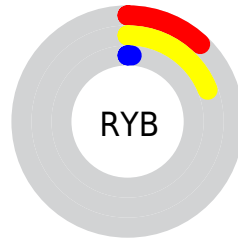
# Distribution



Red (19%)

Green (12%)

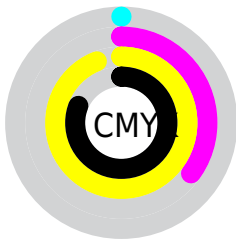
Blue (1%)



Red (12%)

Yellow (19%)

Blue (1%)

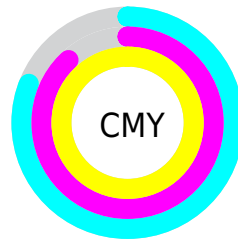


Cyan (0%)

Magenta (35%)

Yellow (94%)

Black (81%)



Cyan (81%)

Magenta (88%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 301F03 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 301F03 by changing the saturation by 10% instead.



 301F03

 301F03

 FFFFE5

 190800

 604B31

 000000

 796348

 937B60

 AE9579

 CAB092

 E7CBAD

 FFE7C8

 301F03

 301F03

■ 301E00

■ 302108

■ 30230D

■ 302411

■ 302616

■ 30281B

■ 302A20

■ 302C25

■ 302E29

■ 302F2E

# Harmonies

## Analogous

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



381A0F



301F03



242402

# Triad

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



301F03



002929



2C1C35

# Complementary

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



301F03



031430

# 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.



17213C



301F03



002835

# Square

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



301F03



00281B



00263C



37172A

# Rectangle

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



301F03



1A2609



00263C



261E38



# Sweetspot

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



301F03



3D372C



300314



1F1B14



9E9E9E



1F1F1F



# Same Dimension

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



301F03



3D2600



2B3003



171615



573600



D68500



# Inverse Universe

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



031430



00173D



080330



151617



002157

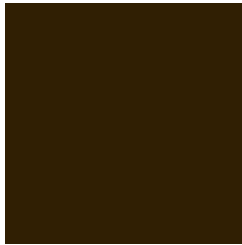


0051D6



# Previews

## White Background



This preview shows how the Hex color 301F03 looks on a white background.

## Color Contrast Check

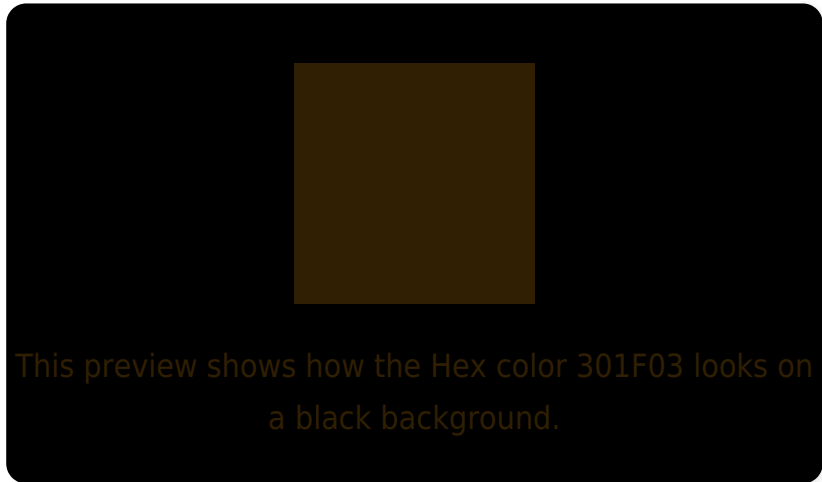
Large Text (above 18pt) WCAG AA ✓ Pass

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

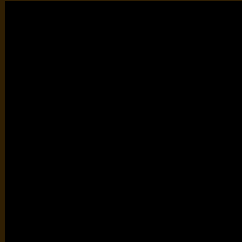
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 301F03 Background



This preview shows how black text looks on a background with the Hex color 301F03.

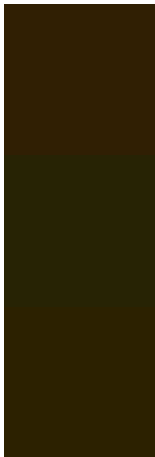


This preview shows how white text looks on a background with the Hex color 301F03.

# 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](#).

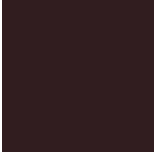
## Dichromacy



**Original Color**  
301F03

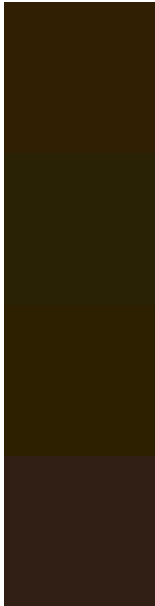
**Protanopia**  
272304

**Deuteranopia**  
2C2100



**Tritanopia**  
311D1F

# Trichromacy



**Original Color**  
301F03

**Protanomaly**  
2A2204

**Deuteranomaly**  
2D2001

**Tritanomaly**  
311E15

# Monochromacy



**Original Color**  
301F03

**Achromatopsia**  
212121

**Achromatomaly**  
262016

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 301F03 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 #301F03 looks like.

```
.text, #text, p{  
    color:#301F03  
}
```

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 #301F03 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #301F03
}
```

## Border

The CSS property to change the border of an element to Hex 301F03 is called "border". The border property can be set on classes, ids or directly on the HTML element.

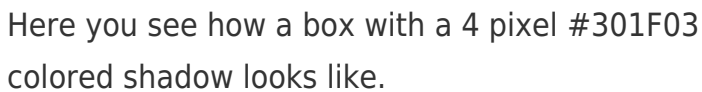
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#301F03 }
```

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

```
.border{ border-color:#301F03 }
```

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



Here you see how a box with a 4 pixel #301F03 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #301F03; -webkit-box-shadow:4px 4px  
4px 4px #301F03; box-shadow:4px 4px 4px  
4px #301F03 }
```

# Background

The CSS property to change the background color of an element to Hex 301F03 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#301F03 }
```

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

```
.background{ background-color:#301F03 }
```

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