

# Converting Colors

Hex(300F00)

Have a look what the booklet for  
Hex(300F00) contains.

<b>Hex(300F00)</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(300F00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	300F00
RGB	48, 15, 0
RGB Percent	19%, 6%, 0%
CMY	0.8118, 0.9412, 1.0000
CMYK	0.00, 0.69, 1.00, 0.81
HSL	19°, 100%, 9%
HSV	19°, 100%, 19%
XYZ	1.3897, 0.9700, 0.1140
YIQ	23.1570, 24.4830, 2.3310

# Conversions

## Conversions Part 2

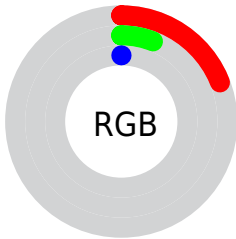
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 22, 0
Decimal	3149568
CIE <sub>Lab</sub>	8.74, 15.63, 13.44
CIE <sub>LCh</sub>	9, 20.612, 40.685
Yxy	0.9700, 0.5618, 0.3921
Android (android.graphics.Color)	4281339648 (0xFF300F00)
YUV	23.1570, -11.4164, 21.7873
Hunter-Lab	9.8490, 7.9516, 6.2081

# Details

The Hex color **300F00** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **002130**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **603A30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **300F00**, and if you desaturate by 10%, it is **301205**.

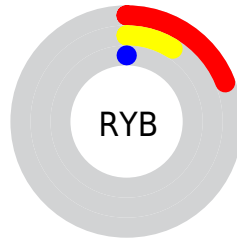
# Distribution



Red (19%)

Green (6%)

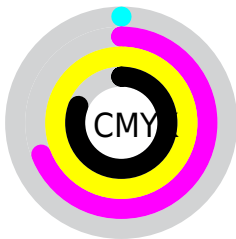
Blue (0%)



Red (19%)

Yellow (9%)

Blue (0%)

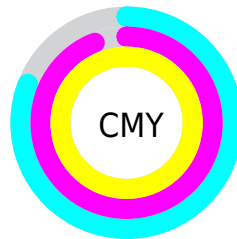


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (81%)



Cyan (81%)

Magenta (94%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 300F00 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 300F00 by changing the saturation by 10% instead.



 300F00

 300F00

 FFF0E2

 160000

 603A30

 000000

 7A5146

 956A5E

 B08377

 CC9D90

 E9B8AB

 FFD4C6

 300F00

■ 301205

■ 30160A

■ 30190E

■ 301C13

■ 302018

■ 30231D

■ 302622

■ 302926

■ 302D2B

# Harmonies

## Analogous

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



320B14



300F00



281500

# Triad

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



300F00



00200E



051934

# Complementary

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



300F00



002130

# 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.



001D33



300F00



00201E

# Square

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



300F00



0E1D00



001F2B



20132E

# Rectangle

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



300F00



201800



001F2B



001A34



# Sweetspot

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



300F00



3D312B



300022



1F1714



9E9E9E



1F1F1F



# Same Dimension

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



300F00



3D1300



302600



171515



571B00



D64300



# Inverse Universe

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



002130



002A3D



000A30



151617



003C57

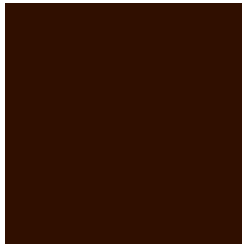


0093D6



# Previews

## White Background



This preview shows how the Hex color 300F00 looks on a white background.

## Color Contrast Check

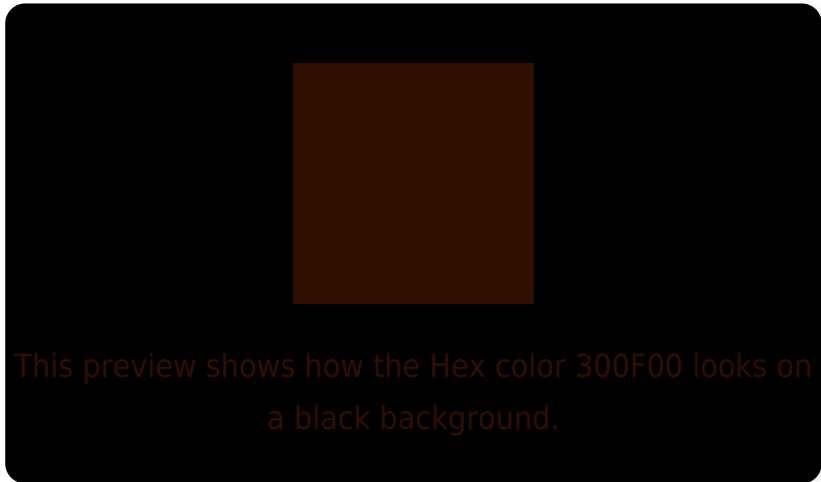
Large Text (above 18pt) WCAG AA ✓ Pass

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

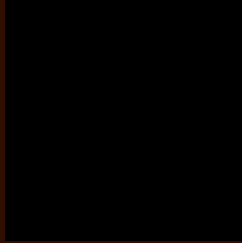
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 300F00 Background



This preview shows how black text looks on a background with the Hex color 300F00.

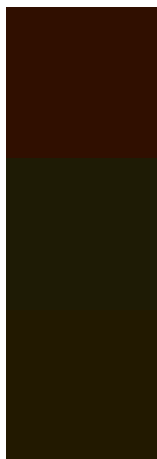


This preview shows how white text looks on a background with the Hex color 300F00.

# 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**  
300F00

**Protanopia**  
1E1B05

**Deuteranopia**  
221900



**Tritanopia**  
300E0F

# Trichromacy



**Original Color**  
300F00

**Protanomaly**  
251703

**Deuteranomaly**  
271500

**Tritanomaly**  
300E0A

# Monochromacy



**Original Color**  
300F00

**Achromatopsia**  
171717

**Achromatomaly**  
20140F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 300F00 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 #300F00 looks like.

```
.text, #text, p{  
    color:#300F00  
}
```

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 #300F00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #300F00
}
```

## Border

The CSS property to change the border of an element to Hex 300F00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

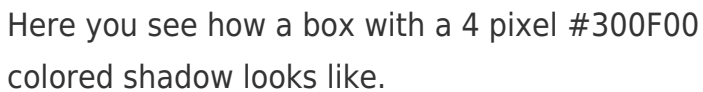
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#300F00 }
```

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

```
.border{ border-color:#300F00 }
```

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



Here you see how a box with a 4 pixel #300F00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #300F00; -webkit-box-shadow:4px 4px  
4px 4px #300F00; box-shadow:4px 4px 4px  
4px #300F00 }
```

# Background

The CSS property to change the background color of an element to Hex 300F00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#300F00 }
```

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

```
.background{ background-color:#300F00 }
```

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