

# Converting Colors

Hex(310300)

Have a look what the booklet for  
Hex(310300) contains.

<b>Hex(310300)</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(310300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	310300
RGB	49, 3, 0
RGB Percent	19%, 1%, 0%
CMY	0.8078, 0.9882, 1.0000
CMYK	0.00, 0.94, 1.00, 0.81
HSL	4°, 100%, 10%
HSV	4°, 100%, 19%
XYZ	1.2992, 0.7181, 0.0701
YIQ	16.4120, 28.3790, 8.8190

# Conversions

## Conversions Part 2

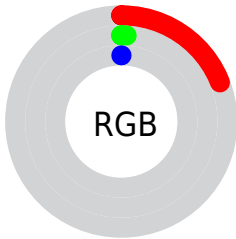
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">49, 3, 0</a>
<a href="#">Decimal</a>	<a href="#">3212032</a>
<a href="#">CIELab</a>	<a href="#">6.49, 22.62, 10.18</a>
<a href="#">CIELCh</a>	<a href="#">6, 24.810, 24.226</a>
<a href="#">Yxy</a>	<a href="#">0.7181, 0.6224, 0.3440</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4281402112 (0xFF310300)</a>
<a href="#">YUV</a>	<a href="#">16.4120, -8.0911, 28.5797</a>
<a href="#">Hunter-Lab</a>	<a href="#">8.4740, 12.5369, 5.4411</a>

# Details

The Hex color **310300** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **002E31**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **623030**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **310300**, and if you desaturate by 10%, it is **310805**.

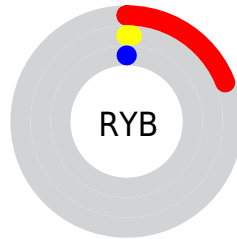
# Distribution



Red (19%)

Green (1%)

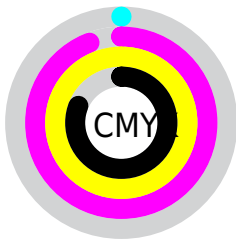
Blue (0%)



Red (19%)

Yellow (1%)

Blue (0%)

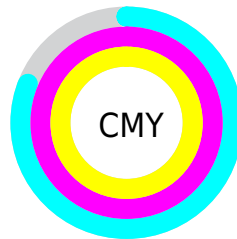


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (81%)



Cyan (81%)

Magenta (99%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 310300 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 310300 by changing the saturation by 10% instead.



 310300

 310300

 FFE5E2

 120000

 623030

 000000

 7C4747


 975F5E

 B37877

 CF9290

 ECADAB

 FFC9C6

 310300

■ 310805

■ 310C0A

■ 31110F

■ 311514

■ 311A19

■ 311F1D

■ 312322

■ 312827

■ 312C2C

# Harmonies

## Analogous

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



2F0218



310300



2A0B00

# Triad

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



310300



001C00



001835

# Complementary

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



310300



002E31

# 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.



001C2F



310300



001E10

# Square

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



310300



0A1800



001E21



0C1132

# Rectangle

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



310300



231000



001E21



001934



# Sweetspot

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



310300



402E2D



31002F



211615



A1A1A1



212121



# Same Dimension

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



310300



400400



311B00



1A1717



590500



D90D00



# Inverse Universe

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



002E31



003C40



001631



17191A



005459

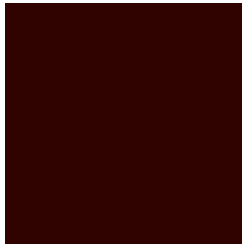


00CBD9



# Previews

## White Background



This preview shows how the Hex color 310300 looks on a white background.

## Color Contrast Check

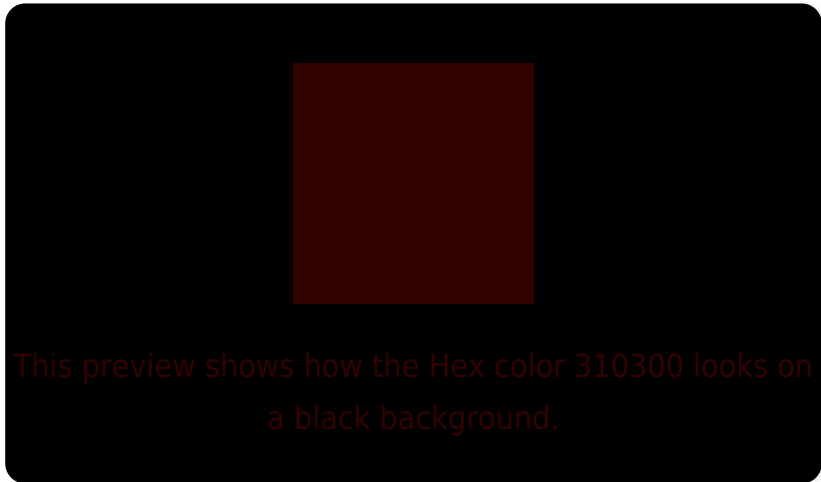
Large Text (above 18pt) WCAG AA ✓ Pass

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

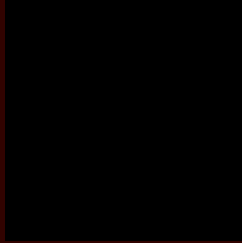
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 310300 Background



This preview shows how black text looks on a background with the Hex color 310300.

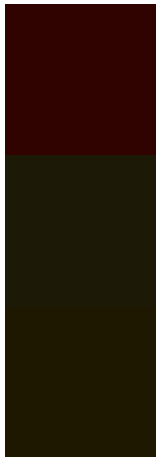


This preview shows how white text looks on a background with the Hex color 310300.

# 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](#).

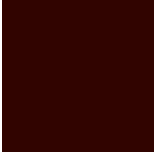
## Dichromacy



**Original Color**  
310300

**Protanopia**  
1C1906

**Deuteranopia**  
1F1800



**Tritanopia**  
310400

# Trichromacy



**Original Color**

310300

**Protanomaly**

241104

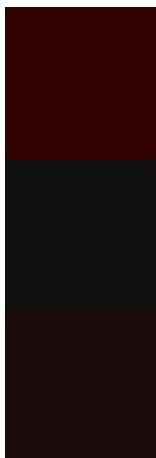
**Deuteranomaly**

261000

**Tritanomaly**

310400

# Monochromacy



**Original Color**

310300

**Achromatopsia**

101010

**Achromatomaly**

1C0B0A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 310300 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 #310300 looks like.

```
.text, #text, p{  
    color:#310300  
}
```

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 #310300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #310300
}
```

## Border

The CSS property to change the border of an element to Hex 310300 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".

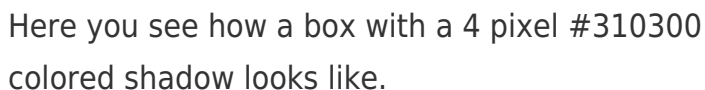
```
.border, #border, table{ border:4px solid
#310300 }
```

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

```
.border{ border-color:#310300 }
```

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

Here you see how a box with a 4 pixel #310300 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border. Below the box, there is a thick dark red shadow that extends to the right and down, creating a 3D effect.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #310300; -webkit-box-shadow:4px 4px  
4px 4px #310300; box-shadow:4px 4px 4px  
4px #310300 }
```

# Background

The CSS property to change the background color of an element to Hex 310300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#310300 }
```

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

```
.background{ background-color:#310300 }
```

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