

# Converting Colors

Hex(310221)

Have a look what the booklet for  
Hex(310221) contains.

<b>Hex(310221)</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(310221)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	310221
RGB	49, 2, 33
RGB Percent	19%, 1%, 13%
CMY	0.8078, 0.9922, 0.8706
CMYK	0.00, 0.96, 0.33, 0.81
HSL	320°, 92%, 10%
HSV	320°, 96%, 19%
XYZ	1.5628, 0.8062, 1.5121
YIQ	19.5870, 18.0610, 19.6050

# Conversions

## Conversions Part 2

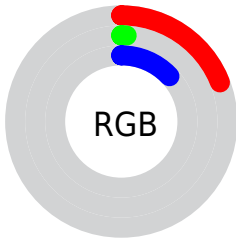
Format	Color
<a href="#">RYB</a>	<a href="#">49, 2, 33</a>
Decimal	<a href="#">3211809</a>
CIELab	<a href="#">7.28, 26.79, -7.93</a>
CIElCh	<a href="#">7, 27.939, 343.508</a>
Yxy	<a href="#">0.8062, 0.4027, 0.2077</a>
Android (android.graphics.Color)	<a href="#">4281401889</a> ( <a href="#">0xFF310221</a> )
YUV	<a href="#">19.5870, 6.6126, 25.7952</a>
Hunter-Lab	<a href="#">8.9788, 15.3567, -3.6996</a>

# Details

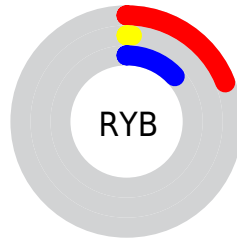
The Hex color **310221** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **023112**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **62304D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **310020**, and if you desaturate by 10%, it is **310723**.

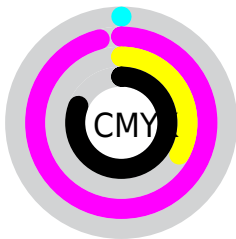
# Distribution



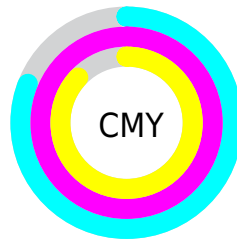
- Red (19%)
- Green (1%)
- Blue (13%)



- Red (19%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (96%)
- Yellow (33%)
- Black (81%)



- Cyan (81%)
- Magenta (99%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 310221 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 310221 by changing the saturation by 10% instead.



 310221

 310221

 FFE6FF

 1B0009

 62304D

 000000

 7B4765


 965F7E

 B17998

 CD93B3

 E9AECE

 FFC9EA

 310221

 310221

■ 310020

■ 310723

■ 310C24

■ 311126

■ 311628

■ 311B29

■ 311F2B

■ 31242D

■ 31292E

■ 312E30

# Harmonies

## Analogous

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



200C31



310221



36000C

# Triad

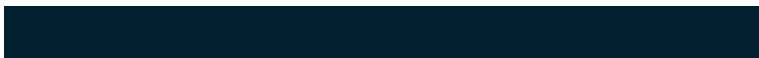
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



310221



151800



001F2F

# Complementary

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



310221



023112

# 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.



00201E



310221



001D00

# Square

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



310221



251100



002006



001B3A

# Rectangle

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



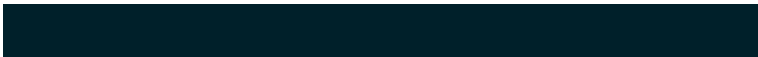
310221



340400



002006



00202A



# Sweetspot

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



310221



402D39



120231



21161D



A1A1A1



212121



# Same Dimension

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



310221



40002A



31020A



1A1719



59003B



D9008F



# Inverse Universe

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



310221



40002A



023129



1A1719



59003B

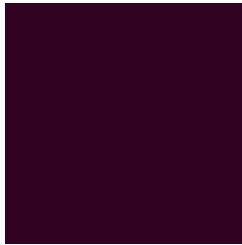


D9008F



# Previews

## White Background



This preview shows how the Hex color 310221 looks on a white background.

## Color Contrast Check

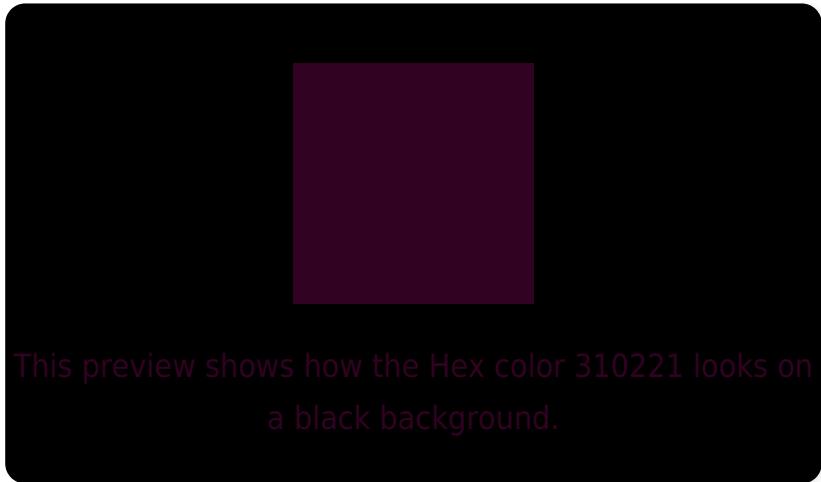
Large Text (above 18pt) WCAG AA ✓ Pass

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

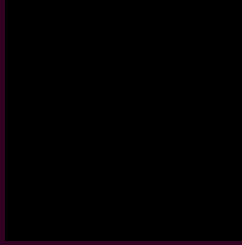
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 310221 Background



This preview shows how black text looks on a background with the Hex color 310221.



This preview shows how white text looks on a background with the Hex color 310221.

# 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**  
310221

**Protanopia**  
101A2F

**Deuteranopia**  
1B1A1F



**Tritanopia**  
300D0E

# Trichromacy



**Original Color**  
310221

**Protanomaly**  
1C112A

**Deuteranomaly**  
231120

**Tritanomaly**  
300915

# Monochromacy



**Original Color**  
310221

**Achromatopsia**  
141414

**Achromatomaly**  
1F0D19

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 310221 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 #310221 looks like.

```
.text, #text, p{  
    color:#310221  
}
```

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 #310221 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #310221
}
```

## Border

The CSS property to change the border of an element to Hex 310221 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".

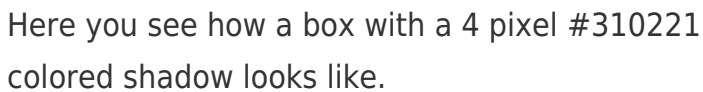
```
.border, #border, table{ border:4px solid
#310221 }
```

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

```
.border{ border-color:#310221 }
```

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

Here you see how a box with a 4 pixel #310221 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #310221; -webkit-box-shadow:4px 4px  
4px 4px #310221; box-shadow:4px 4px 4px  
4px #310221 }
```

# Background

The CSS property to change the background color of an element to Hex 310221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#310221 }
```

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

```
.background{ background-color:#310221 }
```

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