

# Converting Colors

Hex(331420)

Have a look what the booklet for  
Hex(331420) contains.

<b>Hex(331420)</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(331420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	331420
RGB	51, 20, 32
RGB Percent	20%, 8%, 13%
CMY	0.8000, 0.9216, 0.8745
CMYK	0.00, 0.61, 0.37, 0.80
HSL	337°, 44%, 14%
HSV	337°, 61%, 20%
XYZ	1.8761, 1.3084, 1.5202
YIQ	30.6370, 14.6240, 10.3040

# Conversions

## Conversions Part 2

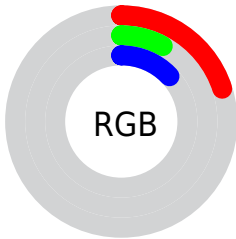
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 20, 32
Decimal	3347488
CIE Lab	11.33, 17.31, -1.03
CIE LCh	11, 17.338, 356.592
Yxy	1.3084, 0.3988, 0.2781
Android (android.graphics.Color)	4281537568 (0xFF331420)
YUV	30.6370, 0.6720, 17.8584
Hunter-Lab	11.4385, 9.2594, 0.1274

# Details

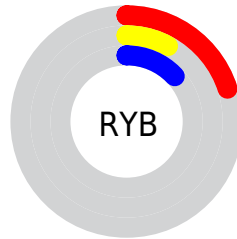
The Hex color **331420** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **143327**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **63404C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **330F1D**, and if you desaturate by 10%, it is **331923**.

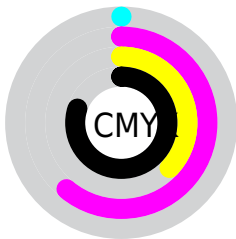
# Distribution



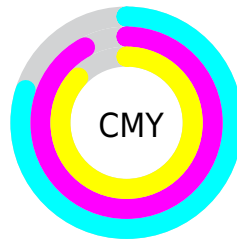
- Red (20%)
- Green (8%)
- Blue (13%)



- Red (20%)
- Yellow (8%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (37%)
- Black (80%)



- Cyan (80%)
- Magenta (92%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 331420 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 331420 by changing the saturation by 10% instead.



 331420

 331420

 FFF8FF

 200008

 63404C

 000000

 7C5764

 96707D

 B18996

 CDA4B1

 EABFCD

 FFD8E9

 331420

 331420

■ 330F1D

■ 331923

■ 330A1A

■ 331E26

■ 330517

■ 332329

■ 330014

■ 33282D

■ 332E30

■ 333333

■ 333836

■ 333D39

■ 33423C

# Harmonies

## Analogous

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



2B172B



331420



341514

# Triad

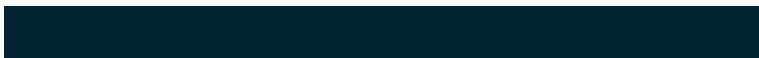
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



331420



1C2103



002332

# Complementary

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



331420



143327

# 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.



002428



331420



0C2310

# Square

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



331420



271D00



00241C



032036

# Rectangle

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



331420



31170B



00241C



00232F



# Sweetspot

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



331420



42363B



271433



211A1D



A1A1A1



212121



# Same Dimension

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



331420



421225



331714



1A1718



590023



D90054



# Inverse Universe

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



331420



421225



143033



1A1718



590023

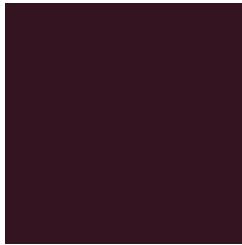


D90054



# Previews

## White Background



This preview shows how the Hex color 331420 looks on a white background.

## Color Contrast Check

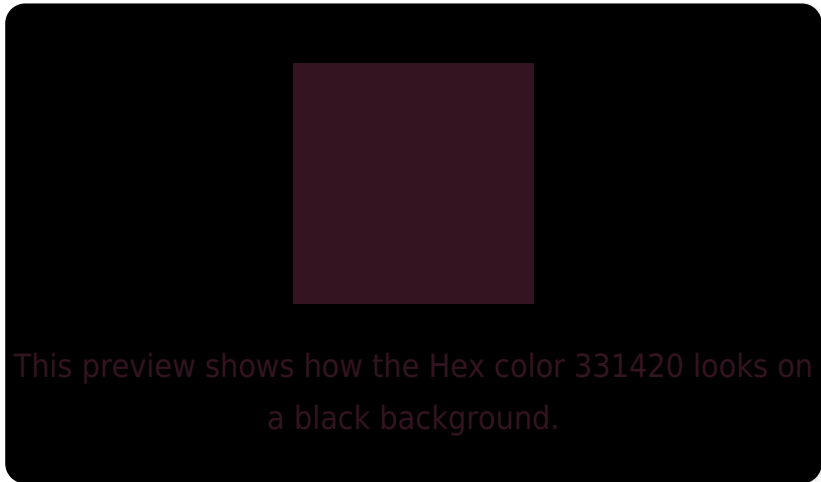
Large Text (above 18pt) WCAG AA ✓ Pass

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

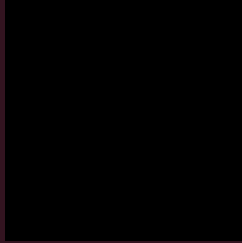
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 331420 Background



This preview shows how black text looks on a background with the Hex color 331420.



This preview shows how white text looks on a background with the Hex color 331420.

# 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**

331420

**Protanopia**

1D1F27

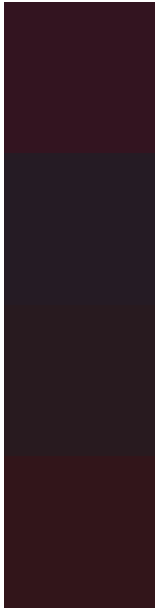
**Deuteranopia**

221E1E



**Tritanopia**  
321617

# Trichromacy



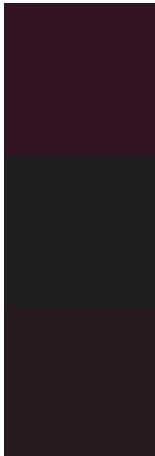
**Original Color**  
331420

**Protanomaly**  
251B24

**Deuteranomaly**  
281A1F

**Tritanomaly**  
32151A

# Monochromacy



**Original Color**  
331420

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
261B1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 331420 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 #331420 looks like.

```
.text, #text, p{  
    color:#331420  
}
```

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 #331420 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #331420
}
```

## Border

The CSS property to change the border of an element to Hex 331420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

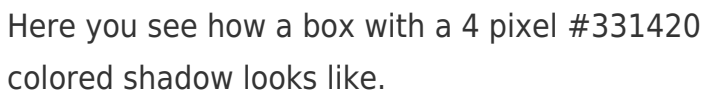
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#331420 }
```

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

```
.border{ border-color:#331420 }
```

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



Here you see how a box with a 4 pixel #331420 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #331420; -webkit-box-shadow:4px 4px  
4px 4px #331420; box-shadow:4px 4px 4px  
4px #331420 }
```

# Background

The CSS property to change the background color of an element to Hex 331420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#331420 }
```

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

```
.background{ background-color:#331420 }
```

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