

# Converting Colors

Hex(331A38)

Have a look what the booklet for  
Hex(331A38) contains.

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# Color

**Hex(331A38)**

# Conversions

## Conversions Part 1

Format	Color
Hex	331A38
RGB	51, 26, 56
RGB Percent	20%, 10%, 22%
CMY	0.8000, 0.8980, 0.7804
CMYK	0.09, 0.54, 0.00, 0.78
HSL	290°, 37%, 16%
HSV	290°, 54%, 22%
XYZ	2.4484, 1.7281, 3.9459
YIQ	36.8950, 5.2700, 14.6300

# Conversions

## Conversions Part 2

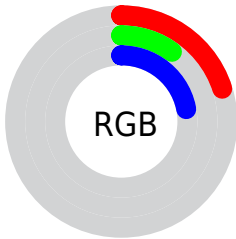
Format	Color
<b>R<sub>YB</sub></b>	51, 26, 56
Decimal	3349048
CIE Lab	13.99, 18.40, -14.48
CIE LCh	14, 23.412, 321.803
Yxy	1.7281, 0.3014, 0.2128
Android (android.graphics.Color)	4281539128 (0xFF331A38)
YUV	36.8950, 9.4188, 12.3701
Hunter-Lab	13.1458, 10.2410, -8.5947

# Details

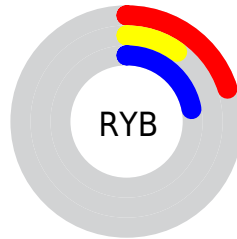
The Hex color **331A38** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1F381A**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **624667**, and **00000A** is the 20% darker color. If you saturate the color by 10%, you get **321438**, and if you desaturate by 10%, it is **342038**.

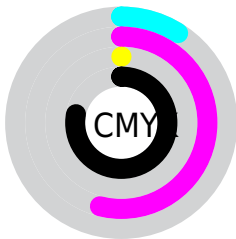
# Distribution



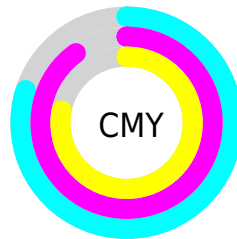
- Red (20%)
- Green (10%)
- Blue (22%)



- Red (20%)
- Yellow (10%)
- Blue (22%)



- Cyan (9%)
- Magenta (54%)
- Yellow (0%)
- Black (78%)



- Cyan (80%)
- Magenta (90%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 331A38 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 331A38 by changing the saturation by 10% instead.





331A38



331A38

FFFFFF



1F0223



624667



00000A



7B5E80



000000



96779A



B091B5



CCABD1



E8C7ED



FFE3FF



331A38



331A38

■ 321438

■ 342038

■ 310F38

■ 352538

■ 300938

■ 362B38

■ 2F0438

■ 373038

■ 2F0038

■ 383638

■ 393C38

■ 3A4138

■ 3A4738

■ 3B4C38

# Harmonies

## Analogous

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



1B2142



331A38



3F1529

# Triad

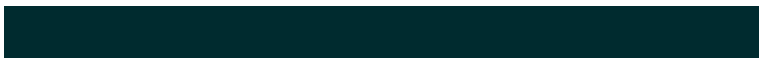
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



331A38



312100



002B2F

# Complementary

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



331A38



1F381A

# 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.



002B1E



331A38



222600

# Square

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



331A38



3C1B06



0C290D



002A3D

# Rectangle

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



331A38



41141E



0C290D



002B2A



# Sweetspot

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



331A38



483E4A



1A1F38



251F26



A6A6A6



262626



# Same Dimension

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



331A38



421B4A



381A2E



1C191C



4D005C



B700DB



# Inverse Universe

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



381A1F



4A1B23



1A3824



1C191A



5C000F



DB0025



# Previews

## White Background



This preview shows how the Hex color 331A38 looks on a white background.

## Color Contrast Check

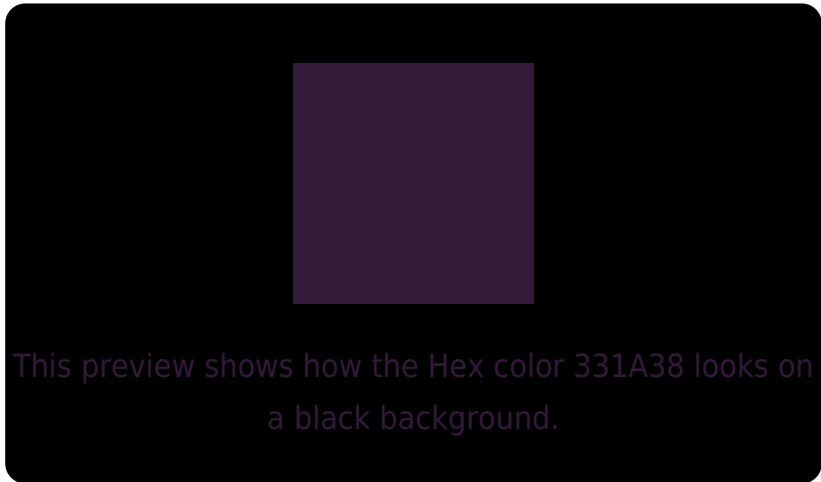
Large Text (above 18pt) WCAG AA ✓ Pass

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

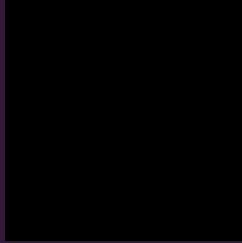
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 331A38 Background



This preview shows how black text looks on a background with the Hex color 331A38.



This preview shows how white text looks on a background with the Hex color 331A38.

# 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**  
331A38

**Protanopia**  
172340

**Deuteranopia**  
1C2436



# Trichromacy



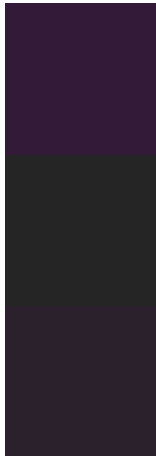
**Original Color**  
331A38

**Protanomaly**  
21203D

**Deuteranomaly**  
242037

**Tritanomaly**  
311E2A

# Monochromacy



**Original Color**  
331A38

**Achromatopsia**  
252525

**Achromatomaly**  
2A212C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 331A38 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 #331A38 looks like.

```
.text, #text, p{  
    color:#331A38  
}
```

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 #331A38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #331A38
}
```

## Border

The CSS property to change the border of an element to Hex 331A38 is called "border". The border property can be set on classes, ids or directly on the HTML element.

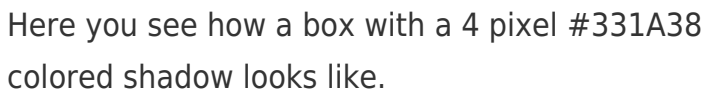
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#331A38 }
```

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

```
.border{ border-color:#331A38 }
```

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



Here you see how a box with a 4 pixel #331A38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #331A38; -webkit-box-shadow:4px 4px  
4px 4px #331A38; box-shadow:4px 4px 4px  
4px #331A38 }
```

# Background

The CSS property to change the background color of an element to Hex 331A38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#331A38 }
```

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

```
.background{ background-color:#331A38 }
```

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](#).



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