

# Converting Colors

Hex(331123)

Have a look what the booklet for  
Hex(331123) contains.

<b>Hex(331123)</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(331123)

# Conversions

## Conversions Part 1

Format	Color
Hex	331123
RGB	51, 17, 35
RGB Percent	20%, 7%, 14%
CMY	0.8000, 0.9333, 0.8627
CMYK	0.00, 0.67, 0.31, 0.80
HSL	328°, 50%, 13%
HSV	328°, 67%, 20%
XYZ	1.8691, 1.2261, 1.7282
YIQ	29.2180, 14.4860, 12.8060

# Conversions

## Conversions Part 2

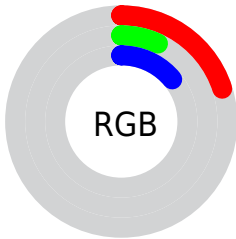
Format	Color
<a href="#">RYB</a>	<a href="#">51, 17, 35</a>
Decimal	<a href="#">3346723</a>
CIELab	<a href="#">10.75, 19.66, -4.15</a>
CIELCh	<a href="#">11, 20.096, 348.097</a>
Yxy	<a href="#">1.2261, 0.3875, 0.2542</a>
Android (android.graphics.Color)	<a href="#">4281536803 (0xFF331123)</a>
YUV	<a href="#">29.2180, 2.8505, 19.1028</a>
Hunter-Lab	<a href="#">11.0727, 10.7533, -1.5032</a>

# Details

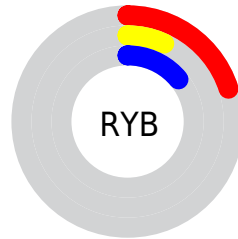
The Hex color **331123** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **113321**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **633D4F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **330C21**, and if you desaturate by 10%, it is **331625**.

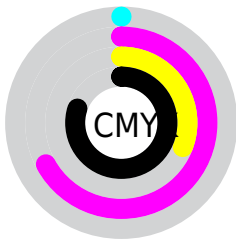
# Distribution



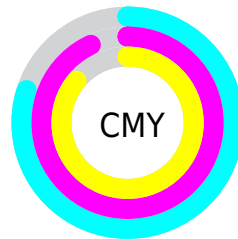
- Red (20%)
- Green (7%)
- Blue (14%)



- Red (20%)
- Yellow (7%)
- Blue (14%)



- Cyan (0%)
- Magenta (67%)
- Yellow (31%)
- Black (80%)



- Cyan (80%)
- Magenta (93%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 331123 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 331123 by changing the saturation by 10% instead.



 331123

 331123

 FFF4FF

 21000D

 633D4F

 000000

 7C5467

 976D80

 B2879A

 CDA1B5

 EABCD1

 FFD8ED

 331123

 331123

■ 330C21

■ 331625

■ 33071E

■ 331B28

■ 33021C

■ 33202A

■ 33001B

■ 33252D

■ 332B2F

■ 333031

■ 333534

■ 333A36

■ 333F39

# Harmonies

## Analogous

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



28162F



331123



361115

# Triad

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



331123



1E1F00



002331

# Complementary

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



331123



113321

# 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.



002425



331123



0D2206

# Square

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



331123



2A1A00



002317



002038

# Rectangle

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



331123



34130A



002317



00232D



# Sweetspot

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



331123



42353C



211133



21191D



A1A1A1



212121



# Same Dimension

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



331123



420D29



331112



1A1718



59002F



D90073



# Inverse Universe

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



331123



420D29



113332



1A1718



59002F

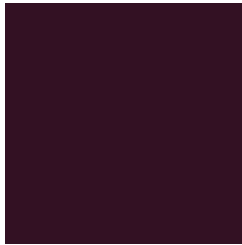


D90073



# Previews

## White Background



This preview shows how the Hex color 331123 looks on a white background.

## Color Contrast Check

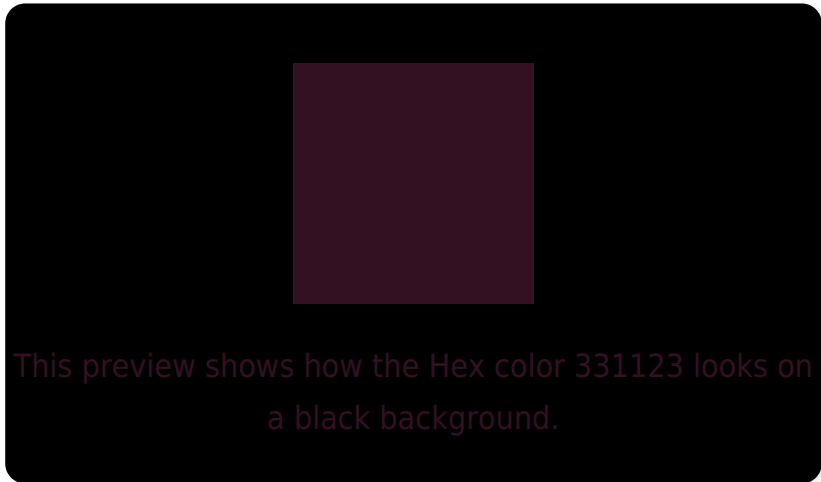
Large Text (above 18pt) WCAG AA ✓ Pass

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

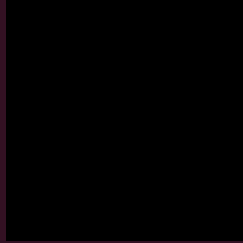
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 331123 Background



This preview shows how black text looks on a background with the Hex color 331123.



This preview shows how white text looks on a background with the Hex color 331123.

# 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](#).

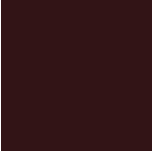
## Dichromacy



**Original Color**  
331123

**Protanopia**  
1A1E2C

**Deuteranopia**  
201D21



**Tritanopia**  
321416

# Trichromacy



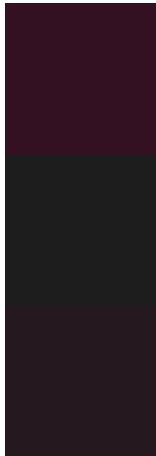
**Original Color**  
331123

**Protanomaly**  
231929

**Deuteranomaly**  
271922

**Tritanomaly**  
32131B

# Monochromacy



**Original Color**  
331123

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
25191F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 331123 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 #331123 looks like.

```
.text, #text, p{  
    color:#331123  
}
```

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 #331123 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #331123
}
```

## Border

The CSS property to change the border of an element to Hex 331123 is called "border". The border property can be set on classes, ids or directly on the HTML element.

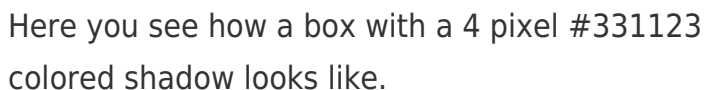
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#331123 }
```

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

```
.border{ border-color:#331123 }
```

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



Here you see how a box with a 4 pixel #331123 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #331123; -webkit-box-shadow:4px 4px  
4px 4px #331123; box-shadow:4px 4px 4px  
4px #331123 }
```

# Background

The CSS property to change the background color of an element to Hex 331123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#331123 }
```

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

```
.background{ background-color:#331123 }
```

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