

# Converting Colors

Hex(330022)

Have a look what the booklet for  
Hex(330022) contains.

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**Color**

**Hex(330022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	330022
RGB	51, 0, 34
RGB Percent	20%, 0%, 13%
CMY	0.8000, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.33, 0.80
HSL	320°, 100%, 10%
HSV	320°, 100%, 20%
XYZ	1.6540, 0.8193, 1.5843
YIQ	19.1250, 19.4820, 21.3860

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 0, 34
Decimal	3342370
CIE <sub>Lab</sub>	7.40, 28.70, -8.48
CIE <sub>LCh</sub>	7, 29.930, 343.539
Yxy	0.8193, 0.4076, 0.2019
Android (android.graphics.Color)	4281532450 (0xFF330022)
YUV	19.1250, 7.3334, 27.9544
Hunter-Lab	9.0515, 16.7769, -4.0418

# Details

The Hex color **330022** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **003311**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **642E4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **330022**, and if you desaturate by 10%, it is **330524**.

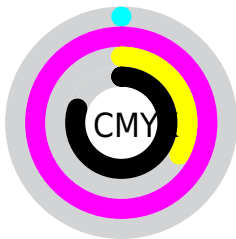
# Distribution



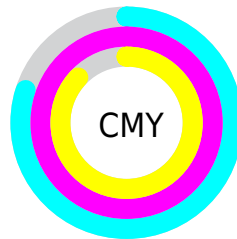
- Red (20%)
- Green (0%)
- Blue (13%)



- Red (20%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (80%)



- Cyan (80%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 330022 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 330022 by changing the saturation by 10% instead.



 330022

 330022

 FFE4FF

 1D000B

 642E4E

 000000

 7E4666

 995E7F

 B47899

 D092B4

 EDADD0

 FFC8EC

 330022

■ 330524

■ 330A25

■ 330F27

■ 331429

■ 331A2B

■ 331F2C

■ 33242E

■ 332930

■ 332E31

# Harmonies

## Analogous

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



210B33



330022



38000C

# Triad

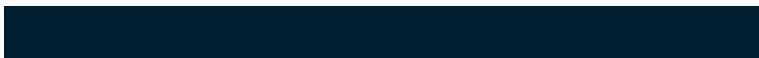
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



330022



141900



002031

# Complementary

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



330022



003311

# 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.



00211F



330022



001E00

# Square

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



330022



261100



002005



001C3D

# Rectangle

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



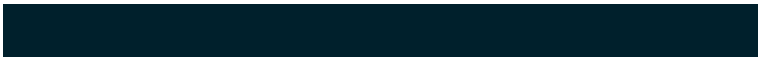
330022



360200



002005



00202C



# Sweetspot

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



330022



422E3C



110033



21151D



A1A1A1



212121



# Same Dimension

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



330022



42002C



330009



1A1719



59003C



D90091



# Inverse Universe

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



330022



42002C



00332A



1A1719



59003C

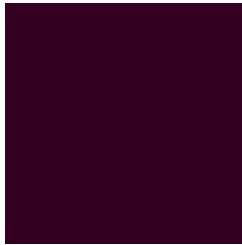


D90091



# Previews

## White Background



This preview shows how the Hex color 330022 looks on a white background.

## Color Contrast Check

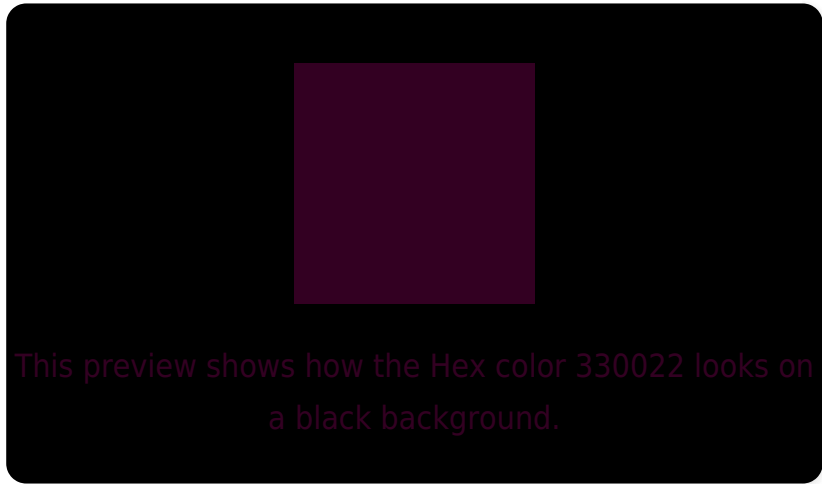
Large Text (above 18pt) WCAG AA ✓ Pass

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

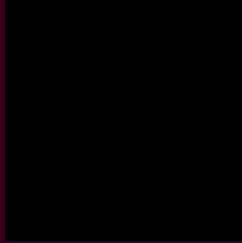
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 330022 Background



This preview shows how black text looks on a background with the Hex color 330022.



This preview shows how white text looks on a background with the Hex color 330022.

# 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](#).

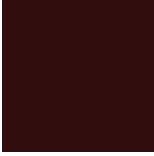
## Dichromacy



**Original Color**  
330022

**Protanopia**  
111B31

**Deuteranopia**  
1C1B20



**Tritanopia**  
320D0E

# Trichromacy



**Original Color**  
330022

**Protanomaly**  
1D112C

**Deuteranomaly**  
241121

**Tritanomaly**  
320815

# Monochromacy



**Original Color**  
330022

**Achromatopsia**  
131313

**Achromatomaly**  
1F0C18

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 330022 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 #330022 looks like.

```
.text, #text, p{  
    color:#330022  
}
```

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 #330022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #330022
}
```

## Border

The CSS property to change the border of an element to Hex 330022 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".

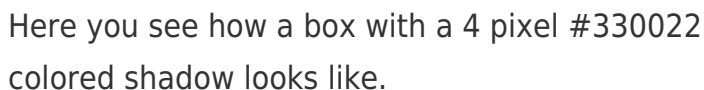
```
.border, #border, table{ border:4px solid
#330022 }
```

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

```
.border{ border-color:#330022 }
```

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

Here you see how a box with a 4 pixel #330022 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #330022; -webkit-box-shadow:4px 4px  
4px 4px #330022; box-shadow:4px 4px 4px  
4px #330022 }
```

# Background

The CSS property to change the background color of an element to Hex 330022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#330022 }
```

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

```
.background{ background-color:#330022 }
```

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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