

# Converting Colors

Hex(220022)

Have a look what the booklet for  
Hex(220022) contains.

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# Color

**Hex(220022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	220022
RGB	34, 0, 34
RGB Percent	13%, 0%, 13%
CMY	0.8667, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.00, 0.87
HSL	300°, 100%, 7%
HSV	300°, 100%, 13%
XYZ	0.9484, 0.4556, 1.5513
YIQ	14.0420, 9.3500, 17.7820

# Conversions

## Conversions Part 2

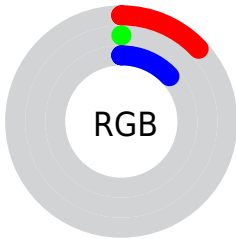
Format	Color
<a href="#">RYB</a>	34, 0, 34
Decimal	2228258
CIELab	4.12, 20.94, -13.80
CIELCh	4, 25.081, 326.608
Yxy	0.4556, 0.3209, 0.1542
Android (android.graphics.Color)	4280418338 (0xFF220022)
YUV	14.0420, 9.8393, 17.5032
Hunter-Lab	6.7496, 13.2700, -8.9024

# Details

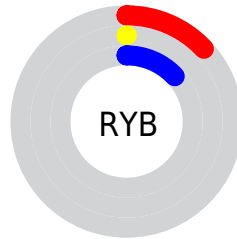
The Hex color **220022** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **002200**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **4E2E4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **220022**, and if you desaturate by 10%, it is **220322**.

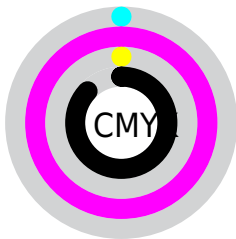
# Distribution



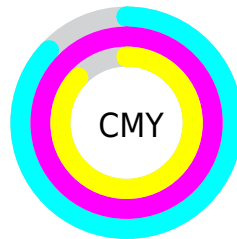
- Red (13%)
- Green (0%)
- Blue (13%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (87%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 220022 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 220022 by changing the saturation by 10% instead.



 220022

 220022

 FFE1FF

 000009

 4E2E4E

 000000

 674566

 805D7F

 9B7599

 B68FB4

 D2AAD0

 EEC5EC

 220022

■ 220322

■ 220722

■ 220A22

■ 220E22

■ 221122

■ 221422

■ 221822

■ 221B22

■ 221F22

# Harmonies

## Analogous

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



0B092D



220022



2B0012

# Triad

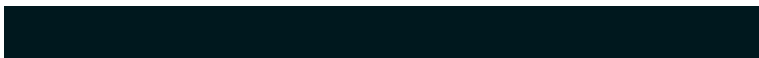
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220022



160D00



00181E

# Complementary

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



220022



002200

# 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.



00170B



220022



001400

# Square

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



220022



240400



001700



00172B

# Rectangle

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



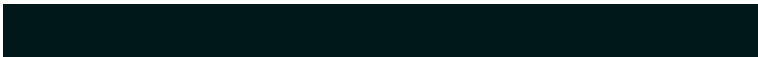
220022



2D0000



001700



001819



# Sweetspot

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



220022



2B1E2B



000022



170F17



969696



171717



# Same Dimension

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



220022



2B002B



220011



121012



520052



D100D1



# Inverse Universe

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



220022



2B002B



002211



121012



520052

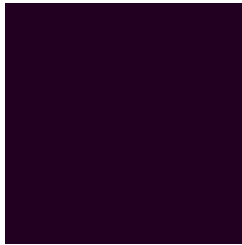


D100D1



# Previews

## White Background



This preview shows how the Hex color 220022 looks on a white background.

## Color Contrast Check

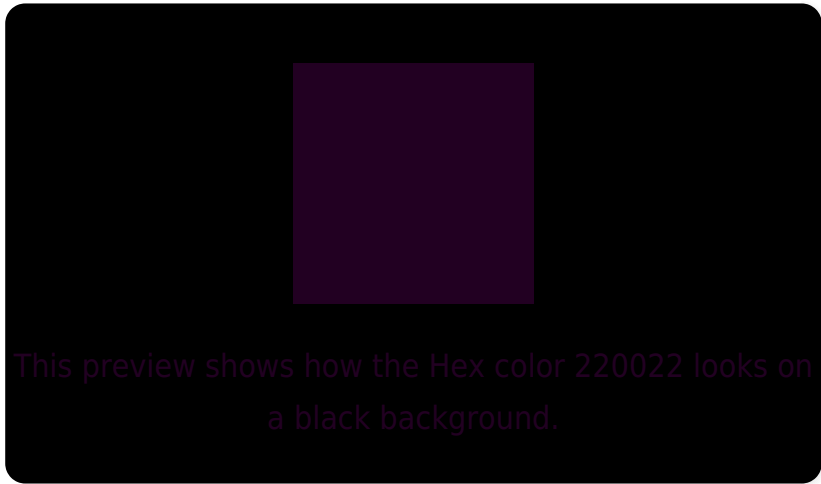
Large Text (above 18pt) WCAG AA ✓ Pass

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

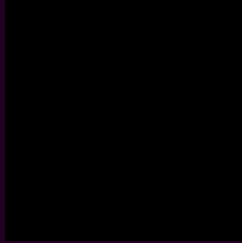
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 220022 Background



This preview shows how black text looks on a background with the Hex color 220022.



This preview shows how white text looks on a background with the Hex color 220022.

# 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](#).

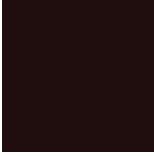
## Dichromacy



**Original Color**  
220022

**Protanopia**  
001328

**Deuteranopia**  
0C1420



**Tritanopia**  
200D0E

# Trichromacy



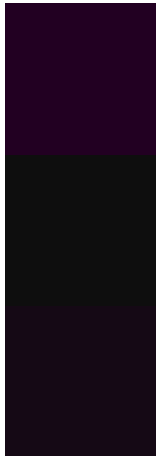
**Original Color**  
220022

**Protanomaly**  
0C0C26

**Deuteranomaly**  
140D21

**Tritanomaly**  
210815

# Monochromacy



**Original Color**  
220022

**Achromatopsia**  
0E0E0E

**Achromatomaly**  
150915

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 220022 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 #220022 looks like.

```
.text, #text, p{  
    color:#220022  
}
```

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 #220022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #220022  
}
```

## Border

The CSS property to change the border of an element to Hex 220022 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  
#220022 }
```

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

```
.border{ border-color:#220022 }
```

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

Here you see how a box with a 4 pixel #220022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #220022; -webkit-box-shadow:4px 4px  
4px 4px #220022; box-shadow:4px 4px 4px  
4px #220022 }
```

# Background

The CSS property to change the background color of an element to Hex 220022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#220022 }
```

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

```
.background{ background-color:#220022 }
```

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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