

# Converting Colors

Hex(230024)

Have a look what the booklet for  
Hex(230024) contains.

<b>Hex(230024)</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(230024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	230024
RGB	35, 0, 36
RGB Percent	14%, 0%, 14%
CMY	0.8627, 1.0000, 0.8588
CMYK	0.03, 1.00, 0.00, 0.86
HSL	298°, 100%, 7%
HSV	298°, 100%, 14%
XYZ	1.0116, 0.4847, 1.7093
YIQ	14.5690, 9.3040, 18.6160

# Conversions

## Conversions Part 2

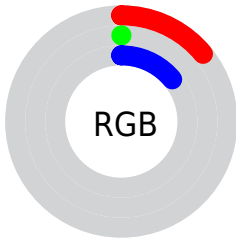
Format	Color
<a href="#">RYB</a>	<a href="#">35, 0, 36</a>
Decimal	<a href="#">2293796</a>
CIELab	<a href="#">4.38, 22.15, -14.94</a>
CIELCh	<a href="#">4, 26.715, 325.989</a>
Yxy	<a href="#">0.4847, 0.3156, 0.1512</a>
Android (android.graphics.Color)	<a href="#">4280483876 (0xFF230024)</a>
YUV	<a href="#">14.5690, 10.5655, 17.9180</a>
Hunter-Lab	<a href="#">6.9620, 13.7522, -9.6833</a>

# Details

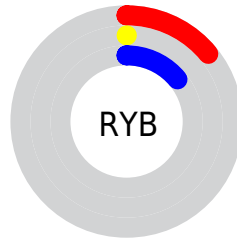
The Hex color **230024** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **012400**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **502E51**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **230024**, and if you desaturate by 10%, it is **230424**.

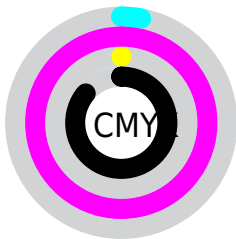
# Distribution



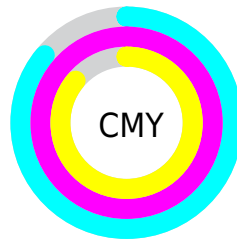
- Red (14%)
- Green (0%)
- Blue (14%)



- Red (14%)
- Yellow (0%)
- Blue (14%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (86%)



- Cyan (86%)
- Magenta (100%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 230024 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 230024 by changing the saturation by 10% instead.



 230024

 230024

 FFE1FF

 00010D

 502E51

 000000

 694569

 825C82

 9C759C

 B88FB7

 D3AAD3

 F0C5EF

 230024

■ 230424

■ 230724

■ 230B24

■ 230E24

■ 231224

■ 241624

■ 241924

■ 241D24

■ 242024

# Harmonies

## Analogous

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



090A30



230024



2D0013

# Triad

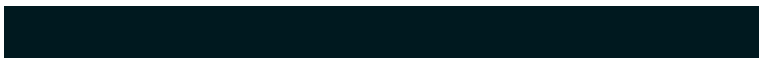
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230024



180D00



00191F

# Complementary

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



230024



012400

# 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.



00180B



230024



001500

# Square

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



230024



260400



001800



00182D

# Rectangle

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



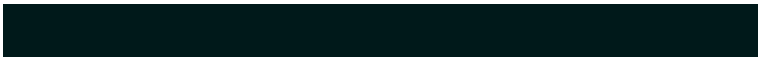
230024



2F0000



001800



00191A



# Sweetspot

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



230024



2E202E



000124



170F17



969696



171717



# Same Dimension

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



230024



2D002E



240013



121012



4F0052



CB00D1



# Inverse Universe

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



240001



2E0001



002411



121010



520002

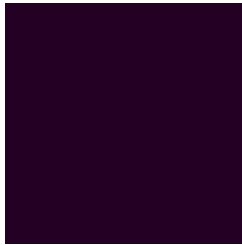


D10006



# Previews

## White Background



This preview shows how the Hex color 230024 looks on a white background.

## Color Contrast Check

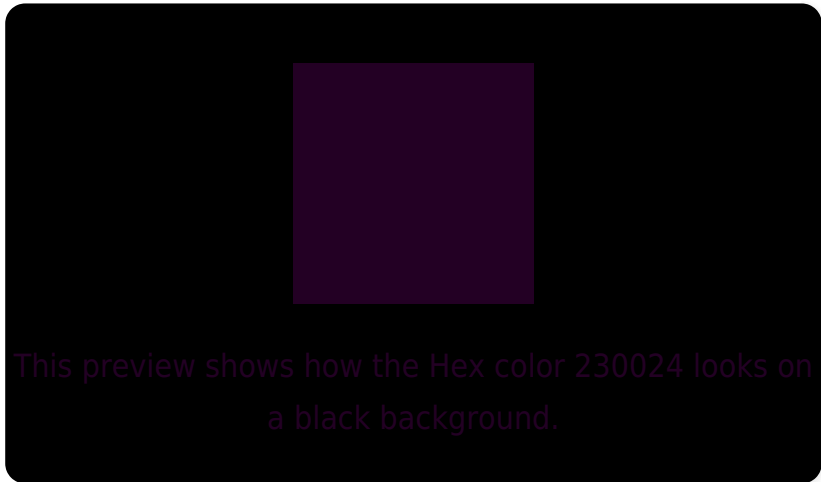
Large Text (above 18pt) WCAG AA ✓ Pass

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

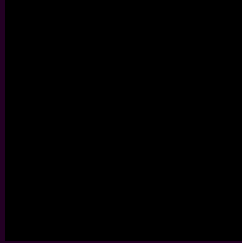
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 230024 Background



This preview shows how black text looks on a background with the Hex color 230024.



This preview shows how white text looks on a background with the Hex color 230024.

# 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**  
230024

**Protanopia**  
001429

**Deuteranopia**  
0B1422



**Tritanopia**  
210E0F

# Trichromacy



**Original Color**  
230024

**Protanomaly**  
0D0D27

**Deuteranomaly**  
140D23

**Tritanomaly**  
220917

# Monochromacy



**Original Color**  
230024

**Achromatopsia**  
0F0F0F

**Achromatomaly**  
160A17

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 230024 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 #230024 looks like.

```
.text, #text, p{  
    color:#230024  
}
```

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 #230024 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #230024
}
```

## Border

The CSS property to change the border of an element to Hex 230024 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
#230024 }
```

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

```
.border{ border-color:#230024 }
```

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

Here you see how a box with a 4 pixel #230024 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #230024; -webkit-box-shadow:4px 4px  
4px 4px #230024; box-shadow:4px 4px 4px  
4px #230024 }
```

# Background

The CSS property to change the background color of an element to Hex 230024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#230024 }
```

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

```
.background{ background-color:#230024 }
```

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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