

# Converting Colors

Hex(23002A)

Have a look what the booklet for  
Hex(23002A) contains.

<b>Hex(23002A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(23002A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23002A
RGB	35, 0, 42
RGB Percent	14%, 0%, 16%
CMY	0.8627, 1.0000, 0.8353
CMYK	0.17, 1.00, 0.00, 0.84
HSL	290°, 100%, 8%
HSV	290°, 100%, 16%
XYZ	1.1111, 0.5245, 2.2332
YIQ	15.2530, 7.3780, 20.4820

# Conversions

## Conversions Part 2

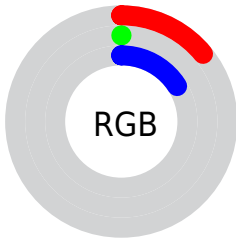
Format	Color
<a href="#">RYB</a>	<a href="#">35, 0, 42</a>
Decimal	<a href="#">2293802</a>
CIELab	<a href="#">4.74, 24.09, -18.99</a>
CIELCh	<a href="#">5, 30.675, 321.749</a>
Yxy	<a href="#">0.5245, 0.2872, 0.1356</a>
Android (android.graphics.Color)	<a href="#">4280483882 (0xFF23002A)</a>
YUV	<a href="#">15.2530, 13.1863, 17.3181</a>
Hunter-Lab	<a href="#">7.2422, 14.7106, -13.2129</a>

# Details

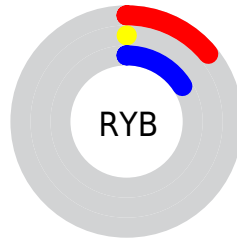
The Hex color **23002A** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **072A00**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **512D58**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23002A**, and if you desaturate by 10%, it is **24042A**.

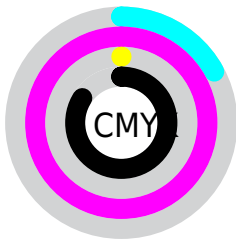
# Distribution



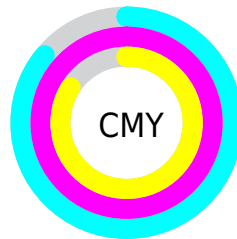
- Red (14%)
- Green (0%)
- Blue (16%)



- Red (14%)
- Yellow (0%)
- Blue (16%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (84%)



- Cyan (86%)
- Magenta (100%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23002A 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 23002A by changing the saturation by 10% instead.




 23002A

 23002A

 FFE1FF

 000015

 512D58

 000000

 694470

 835C8A

 9D75A4

 B98FBF

 D4AADB

 F1C5F8

 23002A

■ 24042A

■ 24082A

■ 250D2A

■ 26112A

■ 27152A

■ 27192A

■ 281D2A

■ 29222A

■ 29262A

# Harmonies

## Analogous

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



000C36



23002A



300018

# Triad

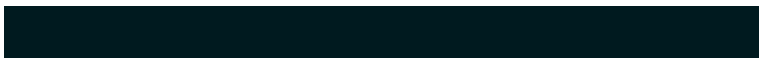
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23002A



1C0D00



001A1F

# Complementary

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



23002A



072A00

# 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.



001906



23002A



001500

# Square

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



23002A



2A0200



001900



001B30

# Rectangle

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



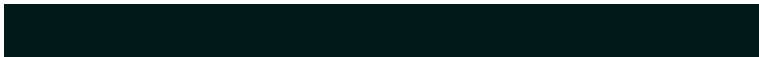
23002A



330004



001900



001A19



# Sweetspot

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



23002A



332536



00072A



1A121C



9C9C9C



1C1C1C



# Same Dimension

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



23002A



2D0036



2A001C



141214



460054



B000D4



# Inverse Universe

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



2A0007



360009



002A0E



141213



54000E

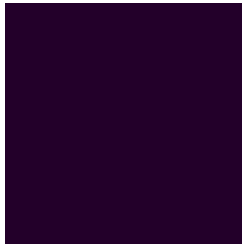


D40023



# Previews

## White Background



This preview shows how the Hex color 23002A looks on a white background.

## Color Contrast Check

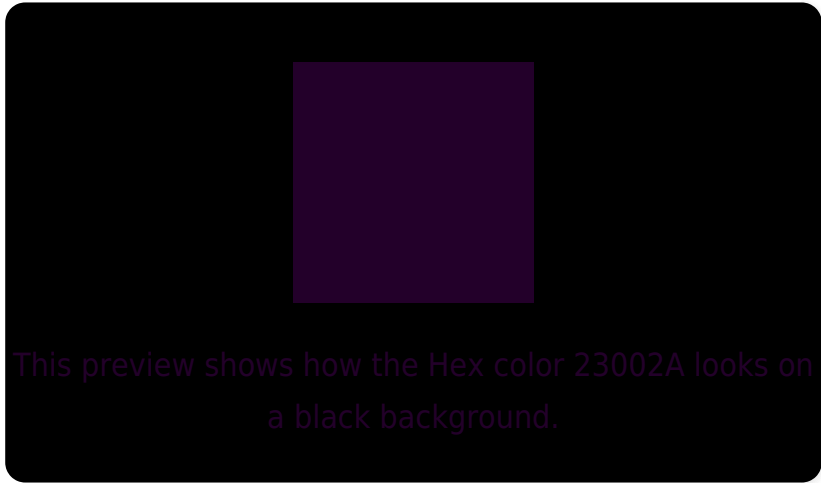
Large Text (above 18pt) WCAG AA ✓ Pass

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

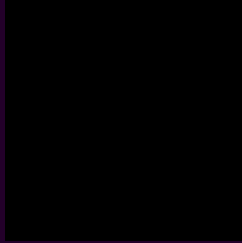
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23002A Background



This preview shows how black text looks on a background with the Hex color 23002A.



This preview shows how white text looks on a background with the Hex color 23002A.

# 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**  
23002A

**Protanopia**  
00142B

**Deuteranopia**  
001626



# Trichromacy



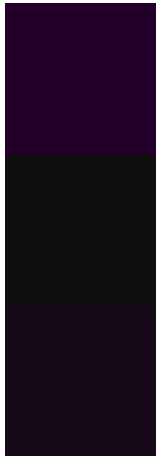
**Original Color**  
23002A

**Protanomaly**  
0D0D2B

**Deuteranomaly**  
0D0E27

**Tritanomaly**  
210A1B

# Monochromacy



**Original Color**  
23002A

**Achromatopsia**  
0F0F0F

**Achromatomaly**  
160A19

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23002A 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 #23002A looks like.

```
.text, #text, p{  
    color:#23002A  
}
```

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 #23002A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23002A
}
```

## Border

The CSS property to change the border of an element to Hex 23002A is called "border". The border property can be set on classes, ids or directly on the HTML element.

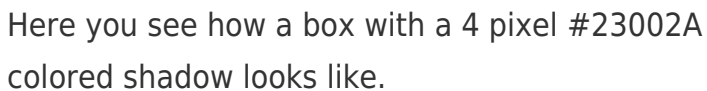
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#23002A }
```

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

```
.border{ border-color:#23002A }
```

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



Here you see how a box with a 4 pixel #23002A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23002A; -webkit-box-shadow:4px 4px  
4px 4px #23002A; box-shadow:4px 4px 4px  
4px #23002A }
```

# Background

The CSS property to change the background color of an element to Hex 23002A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23002A }
```

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

```
.background{ background-color:#23002A }
```

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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