

# Converting Colors

Hex(23002F)

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

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# Color

**Hex(23002F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23002F
RGB	35, 0, 47
RGB Percent	14%, 0%, 18%
CMY	0.8627, 1.0000, 0.8157
CMYK	0.26, 1.00, 0.00, 0.82
HSL	285°, 100%, 9%
HSV	285°, 100%, 18%
XYZ	1.2062, 0.5626, 2.7343
YIQ	15.8230, 5.7730, 22.0370

# Conversions

## Conversions Part 2

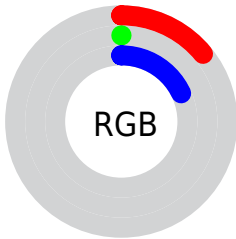
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 0, 47
Decimal	2293807
CIE Lab	5.08, 25.76, -22.22
CIE LCh	5, 34.018, 319.217
Yxy	0.5626, 0.2679, 0.1249
Android (android.graphics.Color)	4280483887 (0xFF23002F)
YUV	15.8230, 15.3703, 16.8182
Hunter-Lab	7.5004, 15.5809, -16.3644

# Details

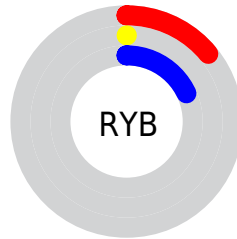
The Hex color **23002F** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0C2F00**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **512D5D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **23002F**, and if you desaturate by 10%, it is **24052F**.

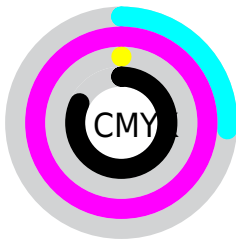
# Distribution



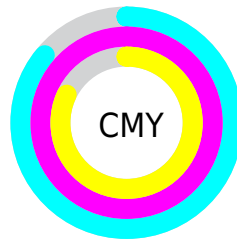
- Red (14%)
- Green (0%)
- Blue (18%)



- Red (14%)
- Yellow (0%)
- Blue (18%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (82%)



- Cyan (86%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

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



 23002F

 23002F

 FFE1FF

 00001A

 512D5D

 000000

 6A4476

 845C90

 9E75AB

 BA8FC6

 D6AAE2

 F2C5FF

 23002F

■ 24052F

■ 25092F

■ 270E2F

■ 28132F

■ 29182F

■ 2A1C2F

■ 2B212F

■ 2D262F

■ 2E2A2F

# Harmonies

## Analogous

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



000E3C



23002F



33001B

# Triad

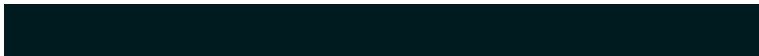
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23002F



1F0D00



001B20

# Complementary

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



23002F



0C2F00

# 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.



001A02



23002F



001600

# Square

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



23002F



2E0000



001A00



001C33

# Rectangle

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



23002F



370007



001A00



001B18



# Sweetspot

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



23002F



392B3D



000D2F



1C141F



9E9E9E



1F1F1F



# Same Dimension

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



23002F



2E003D



2F0024



161517



410057



A000D6



# Inverse Universe

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



2F000C



3D0010



002F0B



171515



570016

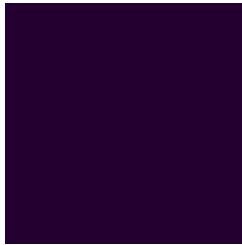


D60037



# Previews

## White Background



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

## Color Contrast Check

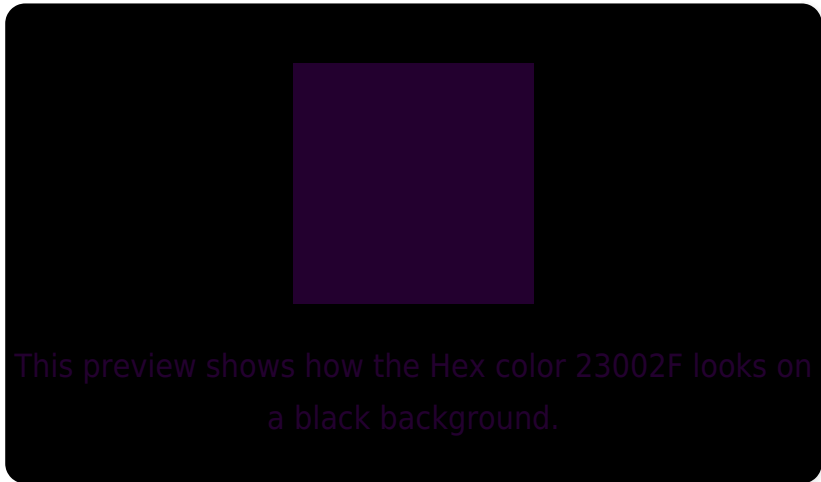
Large Text (above 18pt) WCAG AA ✓ Pass

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

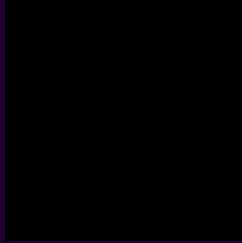
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23002F Background



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



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

# 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**  
23002F

**Protanopia**  
00152D

**Deuteranopia**  
001727



**Tritanopia**  
1F1214

# Trichromacy



**Original Color**  
23002F

**Protanomaly**  
0D0D2E

**Deuteranomaly**  
0D0F2A

**Tritanomaly**  
200B1E

# Monochromacy



**Original Color**  
23002F

**Achromatopsia**  
101010

**Achromatomaly**  
170A1B

# CSS Examples

## Text

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

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

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 #23002F colored shadow looks like.

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

## Border

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

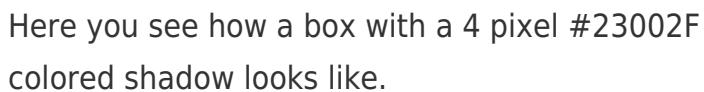
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

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

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

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

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



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

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

# Background

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

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

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

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

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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