

# Converting Colors

Hex(2C002C)

Have a look what the booklet for  
Hex(2C002C) contains.

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# Color

Hex(2C002C)

# Conversions

## Conversions Part 1

Format	Color
Hex	2C002C
RGB	44, 0, 44
RGB Percent	17%, 0%, 17%
CMY	0.8275, 1.0000, 0.8275
CMYK	0.00, 1.00, 0.00, 0.83
HSL	300°, 100%, 9%
HSV	300°, 100%, 17%
XYZ	1.4933, 0.7173, 2.4426
YIQ	18.1720, 12.1000, 23.0120

# Conversions

## Conversions Part 2

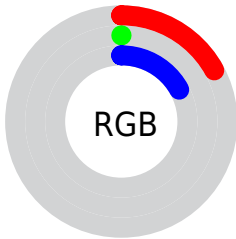
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 0, 44
Decimal	2883628
CIE Lab	6.48, 28.34, -17.65
CIE LCh	6, 33.382, 328.084
Yxy	0.7173, 0.3209, 0.1542
Android (android.graphics.Color)	4281073708 (0xFF2C002C)
YUV	18.1720, 12.7332, 22.6512
Hunter-Lab	8.4695, 16.6513, -11.1708

# Details

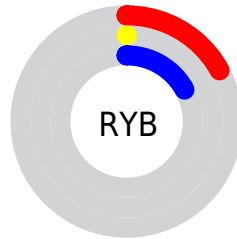
The Hex color **2C002C** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **002C00**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **5C2D5A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2C002C**, and if you desaturate by 10%, it is **2C042C**.

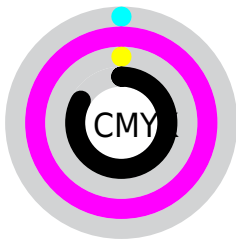
# Distribution



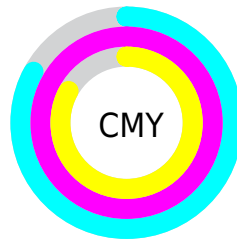
- Red (17%)
- Green (0%)
- Blue (17%)



- Red (17%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (83%)



- Cyan (83%)
- Magenta (100%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C002C 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 2C002C by changing the saturation by 10% instead.



 2C002C

 2C002C

 FFE3FF

 130017

 5C2D5A

 000000

 754573

 8F5D8C

 AA76A7

 C690C2

 E2ABDE

 FFC7FA

 2C002C

■ 2C042C

■ 2C092C

■ 2C0D2C

■ 2C122C

■ 2C162C

■ 2C1A2C

■ 2C1F2C

■ 2C232C

■ 2C282C

# Harmonies

## Analogous

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



090F3C



2C002C



380017

# Triad

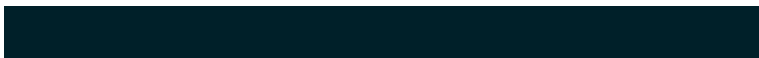
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2C002C



1D1300



002029

# Complementary

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



2C002C



002C00

# 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.



001F12



2C002C



001A00

# Square

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



2C002C



2D0800



001F00



001E3A

# Rectangle

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



2C002C



390000



001F00



002021



# Sweetspot

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



2C002C



382738



00002C



1C121C



9C9C9C



1C1C1C



# Same Dimension

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



2C002C



380038



2C0016



171517



570057



D600D6



# Inverse Universe

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



2C002C



380038



002C16



171517



570057

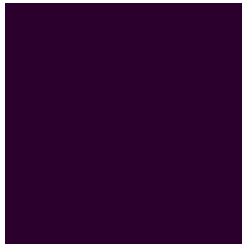


D600D6



# Previews

## White Background



This preview shows how the Hex color 2C002C looks on a white background.

## Color Contrast Check

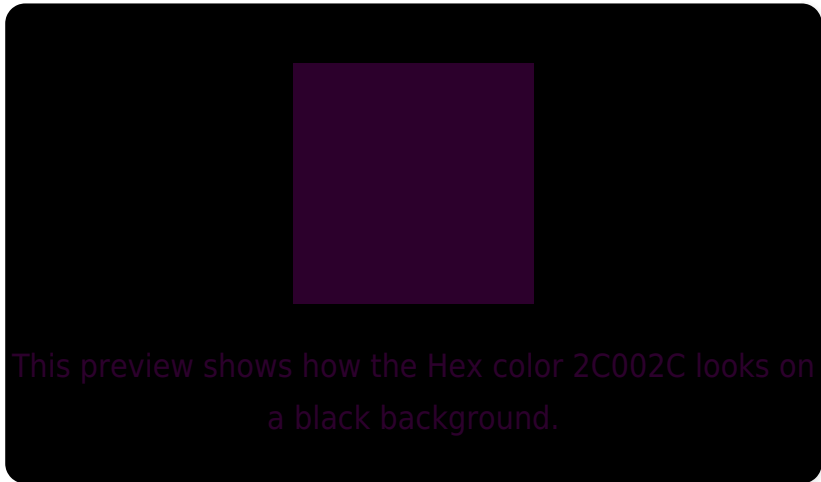
Large Text (above 18pt) WCAG AA ✓ Pass

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

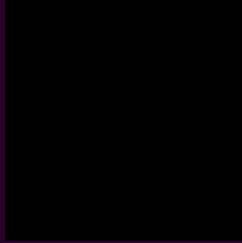
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C002C Background



This preview shows how black text looks on a background with the Hex color 2C002C.



This preview shows how white text looks on a background with the Hex color 2C002C.

# 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**  
2C002C

**Protanopia**  
001834

**Deuteranopia**  
0F1929



**Tritanopia**  
291112

# Trichromacy



**Original Color**  
2C002C

**Protanomaly**  
100F31

**Deuteranomaly**  
1A102A

**Tritanomaly**  
2A0B1B

# Monochromacy



**Original Color**  
2C002C

**Achromatopsia**  
121212

**Achromatomaly**  
1B0B1B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C002C 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 #2C002C looks like.

```
.text, #text, p{  
    color:#2C002C  
}
```

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 #2C002C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C002C
}
```

## Border

The CSS property to change the border of an element to Hex 2C002C is called "border". The border property can be set on classes, ids or directly on the HTML element.

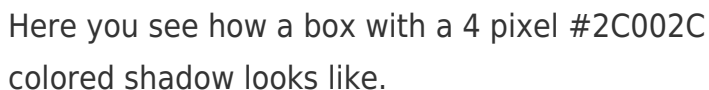
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2C002C }
```

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

```
.border{ border-color:#2C002C }
```

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



Here you see how a box with a 4 pixel #2C002C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C002C; -webkit-box-shadow:4px 4px  
4px 4px #2C002C; box-shadow:4px 4px 4px  
4px #2C002C }
```

# Background

The CSS property to change the background color of an element to Hex 2C002C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C002C }
```

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

```
.background{ background-color:#2C002C }
```

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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