

# Converting Colors

Hex(2C0021)

Have a look what the booklet for  
Hex(2C0021) contains.

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**Color**

**Hex(2C0021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C0021
RGB	44, 0, 33
RGB Percent	17%, 0%, 13%
CMY	0.8275, 1.0000, 0.8706
CMYK	0.00, 1.00, 0.25, 0.83
HSL	315°, 100%, 9%
HSV	315°, 100%, 17%
XYZ	1.3132, 0.6453, 1.4942
YIQ	16.9180, 15.6310, 19.5910

# Conversions

## Conversions Part 2

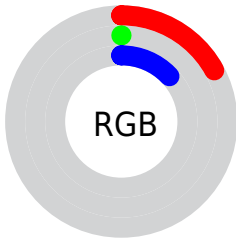
Format	Color
<b>R<sub>Y</sub>B</b>	44, 0, 33
Decimal	2883617
CIE Lab	5.83, 25.89, -10.25
CIE LCh	6, 27.843, 338.406
Yxy	0.6453, 0.3803, 0.1869
Android (android.graphics.Color)	4281073697 (0xFF2C0021)
YUV	16.9180, 7.9284, 23.7509
Hunter-Lab	8.0329, 15.1235, -5.4053

# Details

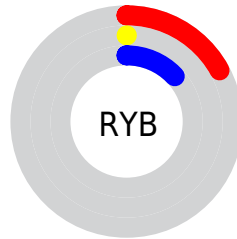
The Hex color **2C0021** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **002C0B**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **5C2D4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2C0021**, and if you desaturate by 10%, it is **2C0422**.

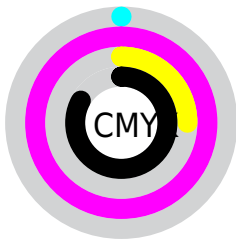
# Distribution



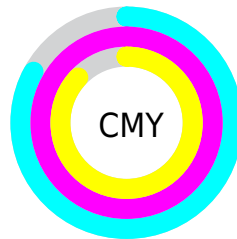
- Red (17%)
- Green (0%)
- Blue (13%)



- Red (17%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (83%)



- Cyan (83%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C0021 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 2C0021 by changing the saturation by 10% instead.



 2C0021

 2C0021

 FFE2FF

 100008

 5C2D4D

 000000

 754565

 8F5D7E

 AA7698

 C690B3

 E2ABCE

 FFC6EB

 2C0021

■ 2C0422

■ 2C0923

■ 2C0D24

■ 2C1225

■ 2C1627

■ 2C1A28

■ 2C1F29

■ 2C232A

■ 2C282B

# Harmonies

## Analogous

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



190A30



2C0021



32000D

# Triad

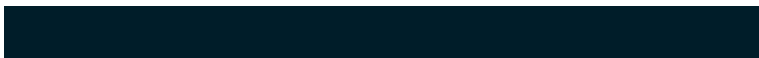
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2C0021



131400



001D29

# Complementary

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



2C0021



002C0B

# 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.



001D18



2C0021



001A00

# Square

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



2C0021



240C00



001D00



001A35

# Rectangle

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



2C0021



310000



001D00



001E24



# Sweetspot

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



2C0021



382734



0B002C



1C121A



9C9C9C



1C1C1C



# Same Dimension

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



2C0021



38002A



2C000B



171516



570041



D600A1



# Inverse Universe

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



2C0021



38002A



002C21



171516



570041

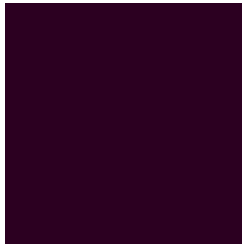


D600A1



# Previews

## White Background



This preview shows how the Hex color 2C0021 looks on a white background.

## Color Contrast Check

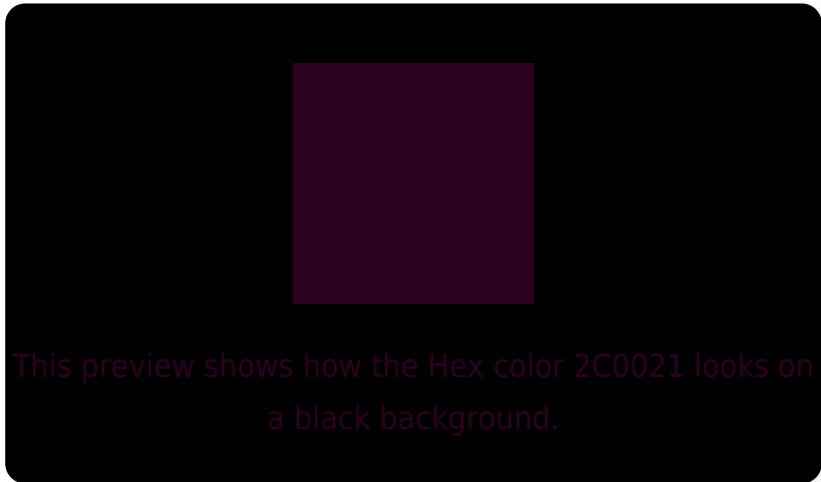
Large Text (above 18pt) WCAG AA ✓ Pass

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

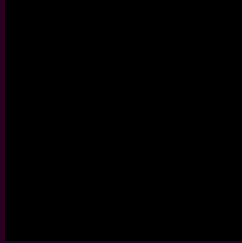
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C0021 Background



This preview shows how black text looks on a background with the Hex color 2C0021.



This preview shows how white text looks on a background with the Hex color 2C0021.

# 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](#).

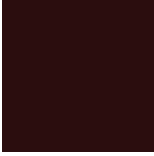
## Dichromacy



**Original Color**  
2C0021

**Protanopia**  
09172F

**Deuteranopia**  
16171F



# Trichromacy



**Original Color**  
2C0021

**Protanomaly**  
160F2A

**Deuteranomaly**  
1E0F20

**Tritanomaly**  
2B0815

# Monochromacy



**Original Color**  
2C0021

**Achromatopsia**  
111111

**Achromatomaly**  
1B0B17

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C0021 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 #2C0021 looks like.

```
.text, #text, p{  
    color:#2C0021  
}
```

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 #2C0021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C0021
}
```

## Border

The CSS property to change the border of an element to Hex 2C0021 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".

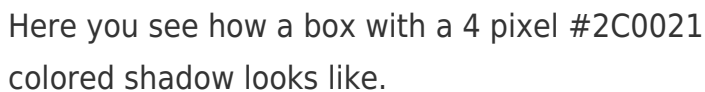
```
.border, #border, table{ border:4px solid
#2C0021 }
```

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

```
.border{ border-color:#2C0021 }
```

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

Here you see how a box with a 4 pixel #2C0021 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C0021; -webkit-box-shadow:4px 4px  
4px 4px #2C0021; box-shadow:4px 4px 4px  
4px #2C0021 }
```

# Background

The CSS property to change the background color of an element to Hex 2C0021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C0021 }
```

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

```
.background{ background-color:#2C0021 }
```

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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