

# Converting Colors

Hex(28002A)

Have a look what the booklet for  
Hex(28002A) contains.

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# Color

**Hex(28002A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28002A
RGB	40, 0, 42
RGB Percent	16%, 0%, 16%
CMY	0.8431, 1.0000, 0.8353
CMYK	0.05, 1.00, 0.00, 0.84
HSL	297°, 100%, 8%
HSV	297°, 100%, 16%
XYZ	1.2930, 0.6183, 2.2417
YIQ	16.7480, 10.3580, 21.5420

# Conversions

## Conversions Part 2

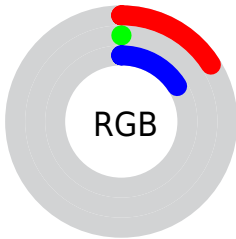
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 0, 42
Decimal	2621482
CIE <sub>Lab</sub>	5.58, 26.32, -17.60
CIE <sub>LCh</sub>	6, 31.663, 326.231
Yxy	0.6183, 0.3113, 0.1489
Android (android.graphics.Color)	4280811562 (0xFF28002A)
YUV	16.7480, 12.4492, 20.3920
Hunter-Lab	7.8631, 15.5917, -11.3987

# Details

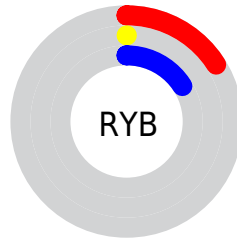
The Hex color **28002A** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **022A00**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **572D58**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **28002A**, and if you desaturate by 10%, it is **28042A**.

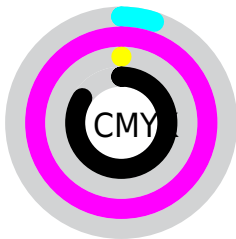
# Distribution



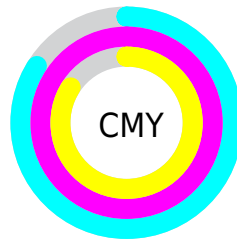
- Red (16%)
- Green (0%)
- Blue (16%)



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



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (84%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 28002A 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 28002A by changing the saturation by 10% instead.



 28002A

 28002A

 FFE2FF

 080015

 572D58

 000000

 704470

 8A5D8A

 A576A4

 C090BF

 DCAADB

 F9C6F8

 28002A

■ 28042A

■ 28082A

■ 290D2A

■ 29112A

■ 29152A

■ 29192A

■ 291D2A

■ 2A222A

■ 2A262A

# Harmonies

## Analogous

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



050D38



28002A



340016

# Triad

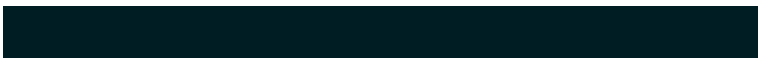
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28002A



1B1100



001D24

# Complementary

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



28002A



022A00

# 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.



001C0E



28002A



001800

# Square

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



28002A



2B0500



001C00



001C35

# Rectangle

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



28002A



360000



001C00



001D1E



# Sweetspot

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



28002A



352536



00022A



1C121C



9C9C9C



1C1C1C



# Same Dimension

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



28002A



330036



2A0017



141214



500054



CA00D4



# Inverse Universe

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



2A0002



360003



002A13



141212



540004

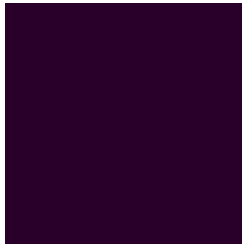


D4000A



# Previews

## White Background



This preview shows how the Hex color 28002A looks on a white background.

## Color Contrast Check

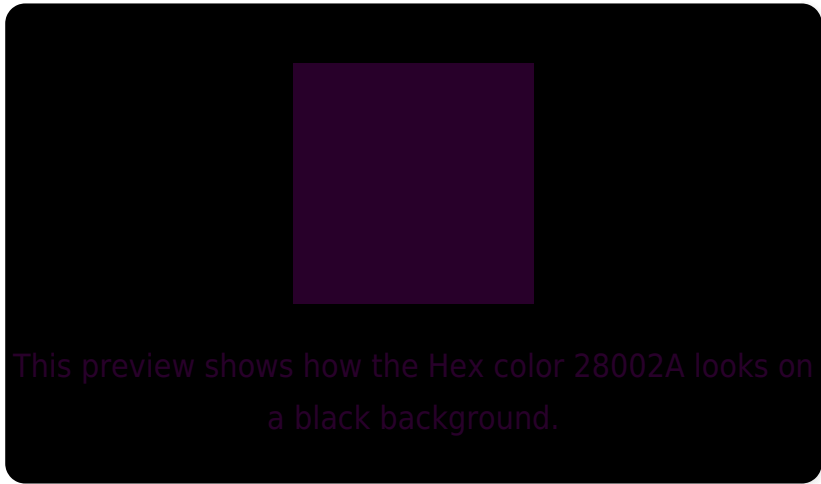
Large Text (above 18pt) WCAG AA ✓ Pass

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

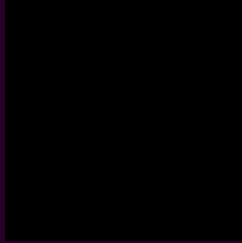
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28002A Background



This preview shows how black text looks on a background with the Hex color 28002A.



This preview shows how white text looks on a background with the Hex color 28002A.

# 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**  
28002A

**Protanopia**  
00162F

**Deuteranopia**  
0B1727



**Tritanopia**  
251012

# Trichromacy



**Original Color**  
28002A

**Protanomaly**  
0F0E2D

**Deuteranomaly**  
160F28

**Tritanomaly**  
260A1B

# Monochromacy



**Original Color**  
28002A

**Achromatopsia**  
111111

**Achromatomaly**  
190B1A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28002A 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 #28002A looks like.

```
.text, #text, p{  
    color:#28002A  
}
```

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 #28002A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28002A
}
```

## Border

The CSS property to change the border of an element to Hex 28002A is called "border". The border property can be set on classes, ids or directly on the HTML element.

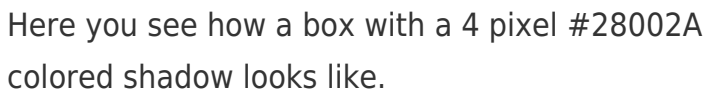
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#28002A }
```

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

```
.border{ border-color:#28002A }
```

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



Here you see how a box with a 4 pixel #28002A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28002A; -webkit-box-shadow:4px 4px  
4px 4px #28002A; box-shadow:4px 4px 4px  
4px #28002A }
```

# Background

The CSS property to change the background color of an element to Hex 28002A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28002A }
```

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

```
.background{ background-color:#28002A }
```

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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