

# Converting Colors

Hex(2C0033)

Have a look what the booklet for  
Hex(2C0033) contains.

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**Color**

**Hex(2C0033)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C0033
RGB	44, 0, 51
RGB Percent	17%, 0%, 20%
CMY	0.8275, 1.0000, 0.8000
CMYK	0.14, 1.00, 0.00, 0.80
HSL	292°, 100%, 10%
HSV	292°, 100%, 20%
XYZ	1.6362, 0.7745, 3.1952
YIQ	18.9700, 9.8530, 25.1890

# Conversions

## Conversions Part 2

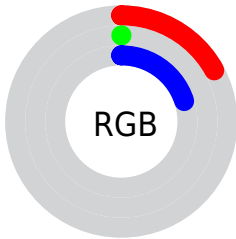
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 0, 51
Decimal	2883635
CIE Lab	7.00, 29.98, -22.04
CIE LCh	7, 37.214, 323.680
Yxy	0.7745, 0.2919, 0.1382
Android (android.graphics.Color)	4281073715 (0xFF2C0033)
YUV	18.9700, 15.7908, 21.9513
Hunter-Lab	8.8005, 17.7870, -15.3662

# Details

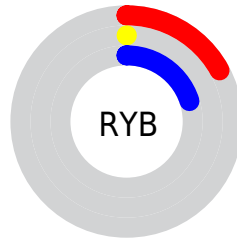
The Hex color **2C0033** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **073300**, and the grayscale version is **131313**.

A 20% lighter version of the original color is **5C2E62**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2C0033**, and if you desaturate by 10%, it is **2D0533**.

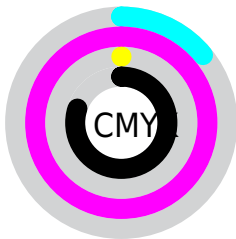
# Distribution



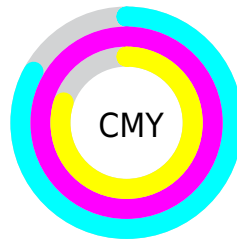
- Red (17%)
- Green (0%)
- Blue (20%)



- Red (17%)
- Yellow (0%)
- Blue (20%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (80%)



- Cyan (83%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C0033 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 2C0033 by changing the saturation by 10% instead.



 2C0033

 2C0033

 FFE4FF

 15001E

 5C2E62

 000000

 76457B

 905E95

 AB77B0

 C691CB

 E3ACE7

 FFC7FF

 2C0033

■ 2D0533

■ 2D0A33

■ 2E0F33

■ 2F1433

■ 301A33

■ 301F33

■ 312433

■ 322933

■ 322E33

# Harmonies

## Analogous

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



001243



2C0033



3C001C

# Triad

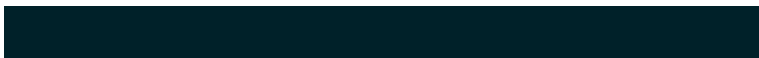
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2C0033



211300



002129

# Complementary

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



2C0033



073300

# 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.



00200E



2C0033



001B00

# Square

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



2C0033



320500



002000



00203D

# Rectangle

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



2C0033



3E0006



002000



002120



# Sweetspot

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



2C0033



402E42



000833



201521



A1A1A1



212121



# Same Dimension

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



2C0033



390042



330021



19171A



4D0059



BB00D9



# Inverse Universe

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



330007



420009



003312



1A1717



59000C



D9001E



# Previews

## White Background



This preview shows how the Hex color 2C0033 looks on a white background.

## Color Contrast Check

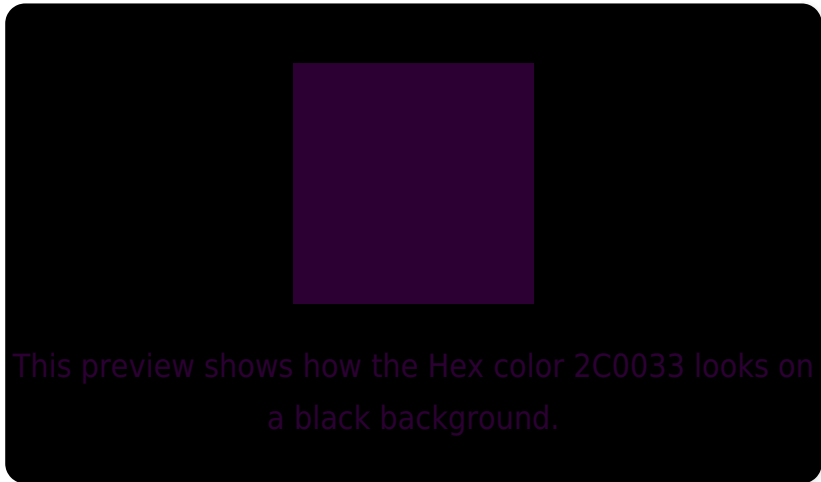
Large Text (above 18pt) WCAG AA ✓ Pass

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

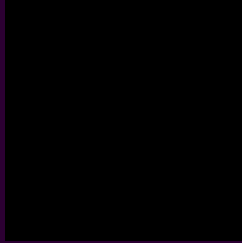
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C0033 Background



This preview shows how black text looks on a background with the Hex color 2C0033.



This preview shows how white text looks on a background with the Hex color 2C0033.

# 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**  
2C0033

**Deuteranopia**  
001B2F

**Tritanopia**  
281415

# Trichromacy

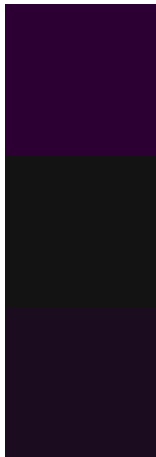


**Original Color**  
2C0033

**Deuteranomaly**  
101130

**Tritanomaly**  
290D20

# Monochromacy



**Original Color**  
2C0033

**Achromatopsia**  
131313

**Achromatomaly**  
1C0C1F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C0033 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 #2C0033 looks like.

```
.text, #text, p{  
    color:#2C0033  
}
```

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 #2C0033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C0033
}
```

## Border

The CSS property to change the border of an element to Hex 2C0033 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".

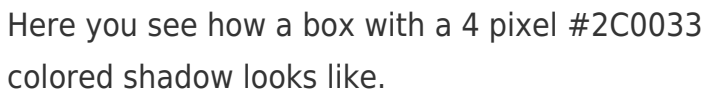
```
.border, #border, table{ border:4px solid
#2C0033 }
```

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

```
.border{ border-color:#2C0033 }
```

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

Here you see how a box with a 4 pixel #2C0033 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The shadow is visible on the right and bottom edges of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C0033; -webkit-box-shadow:4px 4px  
4px 4px #2C0033; box-shadow:4px 4px 4px  
4px #2C0033 }
```

# Background

The CSS property to change the background color of an element to Hex 2C0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C0033 }
```

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

```
.background{ background-color:#2C0033 }
```

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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