

# Converting Colors

Hex(280033)

Have a look what the booklet for  
Hex(280033) contains.

<b>Hex(280033)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(280033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	280033
RGB	40, 0, 51
RGB Percent	16%, 0%, 20%
CMY	0.8431, 1.0000, 0.8000
CMYK	0.22, 1.00, 0.00, 0.80
HSL	287°, 100%, 10%
HSV	287°, 100%, 20%
XYZ	1.4726, 0.6901, 3.1876
YIQ	17.7740, 7.4690, 24.3410

# Conversions

## Conversions Part 2

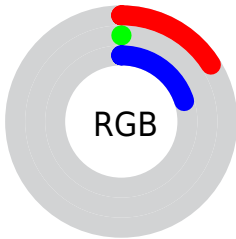
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	40, 0, 51
Decimal	2621491
CIE Lab	6.23, 28.81, -23.31
CIE LCh	6, 37.058, 321.032
Yxy	0.6901, 0.2752, 0.1290
Android (android.graphics.Color)	4280811571 (0xFF280033)
YUV	17.7740, 16.3804, 19.4922
Hunter-Lab	8.3074, 17.1038, -16.9344

# Details

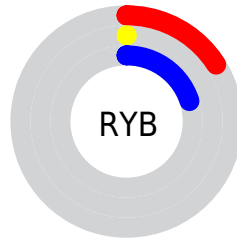
The Hex color **280033** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0B3300**, and the grayscale version is **121212**.

A 20% lighter version of the original color is **582D62**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **280033**, and if you desaturate by 10%, it is **290533**.

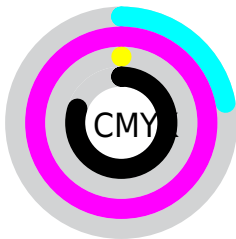
# Distribution



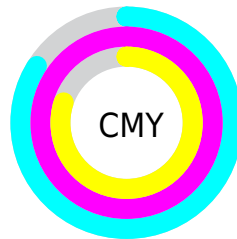
- Red (16%)
- Green (0%)
- Blue (20%)



- Red (16%)
- Yellow (0%)
- Blue (20%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (80%)



- Cyan (84%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 280033 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 280033 by changing the saturation by 10% instead.



 280033

 280033

 FFE3FF

 0D001E

 582D62

 000000

 71457B

 8B5D95

 A676B0

 C190CB

 DDABE7

 FAC6FF

 280033

■ 290533

■ 2A0A33

■ 2B0F33

■ 2C1433

■ 2E1A33

■ 2F1F33

■ 302433

■ 312933

■ 322E33

# Harmonies

## Analogous

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



001142



280033



39001C

# Triad

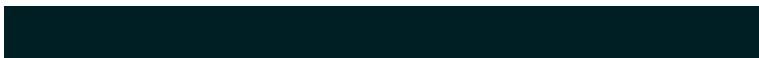
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



280033



211000



001F25

# Complementary

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



280033



0B3300

# 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.



001E07



280033



001900

# Square

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



280033



310200



001E00



001F3A

# Rectangle

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



280033



3C0007



001E00



001F1D



# Sweetspot

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



280033



3E2E42



000B33



1F1521



A1A1A1



212121



# Same Dimension

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



280033



340042



330025



19171A



460059



AA00D9



# Inverse Universe

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



33000B



42000E



00330E



1A1718



590013

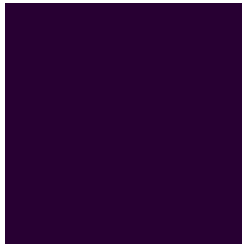


D9002F



# Previews

## White Background



This preview shows how the Hex color 280033 looks on a white background.

## Color Contrast Check

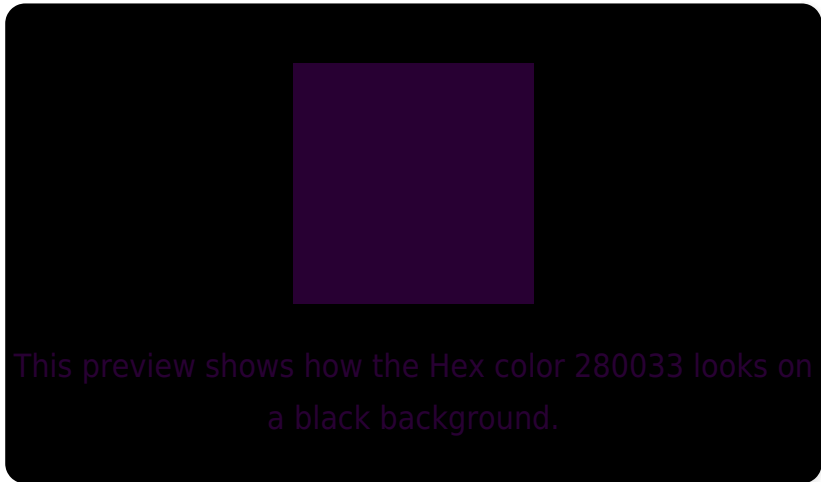
Large Text (above 18pt) WCAG AA ✓ Pass

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

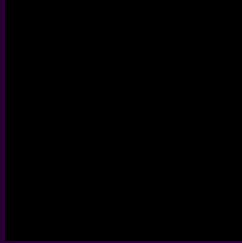
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 280033 Background



This preview shows how black text looks on a background with the Hex color 280033.



This preview shows how white text looks on a background with the Hex color 280033.

# 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](#).

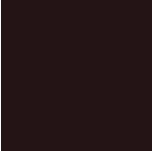
## Dichromacy



**Original Color**  
280033

**Protanopia**  
001832

**Deuteranopia**  
00192C



**Tritanopia**  
241415

# Trichromacy



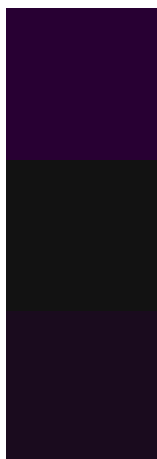
**Original Color**  
280033

**Protanomaly**  
0F0F32

**Deuteranomaly**  
0F102F

**Tritanomaly**  
250D20

# Monochromacy



**Original Color**  
280033

**Achromatopsia**  
121212

**Achromatomaly**  
1A0B1E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 280033 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 #280033 looks like.

```
.text, #text, p{  
    color:#280033  
}
```

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 #280033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #280033  
}
```

## Border

The CSS property to change the border of an element to Hex 280033 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  
#280033 }
```

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

```
.border{ border-color:#280033 }
```

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

Here you see how a box with a 4 pixel #280033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #280033; -webkit-box-shadow:4px 4px  
4px 4px #280033; box-shadow:4px 4px 4px  
4px #280033 }
```

# Background

The CSS property to change the background color of an element to Hex 280033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#280033 }
```

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

```
.background{ background-color:#280033 }
```

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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