

# Converting Colors

Hex(270033)

Have a look what the booklet for  
Hex(270033) contains.

<b>Hex(270033)</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(270033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	270033
RGB	39, 0, 51
RGB Percent	15%, 0%, 20%
CMY	0.8471, 1.0000, 0.8000
CMYK	0.24, 1.00, 0.00, 0.80
HSL	286°, 100%, 10%
HSV	286°, 100%, 20%
XYZ	1.4342, 0.6704, 3.1858
YIQ	17.4750, 6.8730, 24.1290

# Conversions

## Conversions Part 2

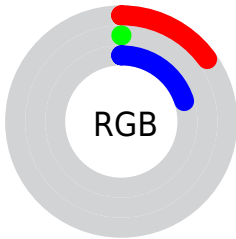
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 0, 51
Decimal	2555955
CIE Lab	6.06, 28.49, -23.60
CIE LCh	6, 36.997, 320.361
Yxy	0.6704, 0.2711, 0.1267
Android (android.graphics.Color)	4280746035 (0xFF270033)
YUV	17.4750, 16.5278, 18.8774
Hunter-Lab	8.1875, 16.9405, -17.3386

# Details

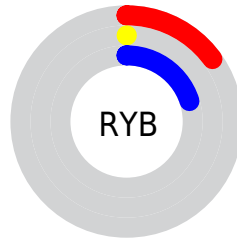
The Hex color **270033** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0C3300**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **562D62**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **270033**, and if you desaturate by 10%, it is **280533**.

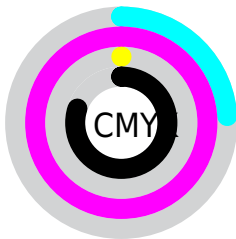
# Distribution



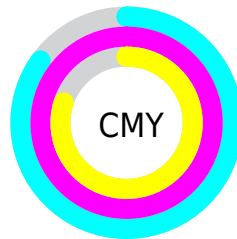
- Red (15%)
- Green (0%)
- Blue (20%)



- Red (15%)
- Yellow (0%)
- Blue (20%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (80%)



- Cyan (85%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 270033 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 270033 by changing the saturation by 10% instead.



 270033

 270033

 FFE2FF

 0A001E

 562D62

 000000

 70447B

 8A5D95

 A476B0

 C090CB

 DCABE7

 F9C6FF

 270033

■ 280533

■ 290A33

■ 2B0F33

■ 2C1433

■ 2D1A33

■ 2E1F33

■ 2F2433

■ 312933

■ 322E33

# Harmonies

## Analogous

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



001142



270033



38001D

# Triad

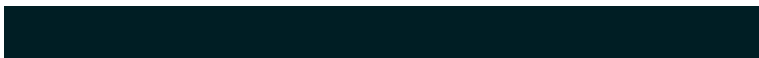
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



270033



210F00



001E24

# Complementary

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



270033



0C3300

# 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.



001E06



270033



011900

# Square

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



270033



310100



001D00



001F39

# Rectangle

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



270033



3B0008



001D00



001E1C



# Sweetspot

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



270033



3E2E42



000D33



1E1521



A1A1A1



212121



# Same Dimension

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



270033



330042



330026



19171A



440059



A600D9



# Inverse Universe

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



33000C



420010



00330D



1A1718



590015

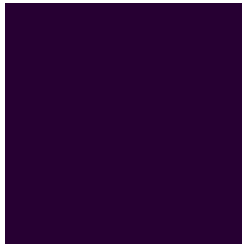


D90033



# Previews

## White Background



This preview shows how the Hex color 270033 looks on a white background.

## Color Contrast Check

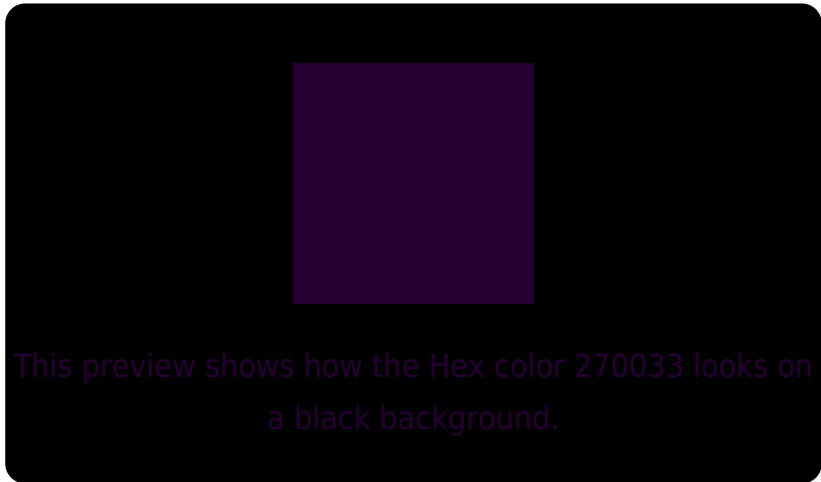
Large Text (above 18pt) WCAG AA ✓ Pass

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

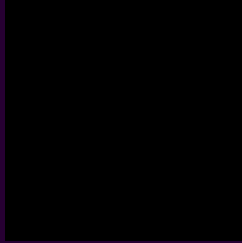
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 270033 Background



This preview shows how black text looks on a background with the Hex color 270033.



This preview shows how white text looks on a background with the Hex color 270033.

# 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**  
270033

**Protanopia**  
001731

**Deuteranopia**  
00192B



**Tritanopia**  
231415

# Trichromacy



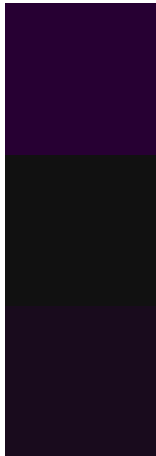
**Original Color**  
270033

**Protanomaly**  
0E0F32

**Deuteranomaly**  
0E102E

**Tritanomaly**  
240D20

# Monochromacy



**Original Color**  
270033

**Achromatopsia**  
111111

**Achromatomaly**  
190B1D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 270033 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 #270033 looks like.

```
.text, #text, p{  
    color:#270033  
}
```

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 #270033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #270033
}
```

## Border

The CSS property to change the border of an element to Hex 270033 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".

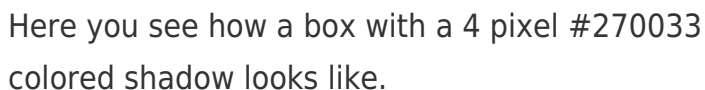
```
.border, #border, table{ border:4px solid
#270033 }
```

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

```
.border{ border-color:#270033 }
```

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

Here you see how a box with a 4 pixel #270033 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 and a thicker dark purple shadow on the right and bottom sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #270033; -webkit-box-shadow:4px 4px  
4px 4px #270033; box-shadow:4px 4px 4px  
4px #270033 }
```

# Background

The CSS property to change the background color of an element to Hex 270033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#270033 }
```

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

```
.background{ background-color:#270033 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor