

# Converting Colors

Hex(272A7A)

Have a look what the booklet for  
Hex(272A7A) contains.

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# Color

**Hex(272A7A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	272A7A
RGB	39, 42, 122
RGB Percent	15%, 16%, 48%
CMY	0.8471, 0.8353, 0.5216
CMYK	0.68, 0.66, 0.00, 0.52
HSL	238°, 52%, 32%
HSV	238°, 68%, 48%
XYZ	5.1775, 3.4924, 18.8136
YIQ	50.2230, -27.4680, 24.2440

# Conversions

## Conversions Part 2

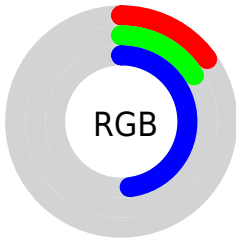
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 42, 122
Decimal	2566778
CIE <sub>Lab</sub>	21.92, 26.10, -46.02
CIE <sub>LCh</sub>	22, 52.909, 299.562
Y <sub>xy</sub>	3.4924, 0.1884, 0.1271
Android (android.graphics.Color)	4280756858 (0xFF272A7A)
YUV	50.2230, 35.3861, -9.8426
Hunter-Lab	18.6880, 16.7496, -46.6069

# Details

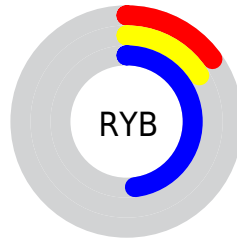
The Hex color **272A7A** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7A7727**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5F58AF**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **1B1E7A**, and if you desaturate by 10%, it is **33367A**.

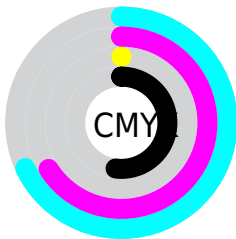
# Distribution



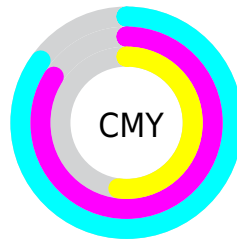
- Red (15%)
- Green (16%)
- Blue (48%)



- Red (15%)
- Yellow (16%)
- Blue (48%)



- Cyan (68%)
- Magenta (66%)
- Yellow (0%)
- Black (52%)



- Cyan (85%)
- Magenta (84%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 272A7A 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 272A7A by changing the saturation by 10% instead.



■ 272A7A

■ 272A7A

FFFFFF

■ 001561

■ 5F58AF

■ 000048

■ 7A70CB

■ 000431

■ 968AE7

■ 00011B

■ B2A4FF

■ 000000

■ CEBFFF

■ ECDBFF

■ FFF7FF

■ 272A7A

■ 272A7A

■ 1B1E7A

■ 33367A

■ 0F127A

■ 3F427A

■ 02077A

■ 4C4D7A

■ 00047A

■ 58597A

■ 64657A

■ 70717A

■ 7C7C7A

■ 89887A

■ 95947A

# Harmonies

## Analogous

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



003A85



272A7A



61095D

# Triad

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



272A7A



602000



004433

# Complementary

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



272A7A



7A7727

# 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.



004206



272A7A



423300

# Square

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



272A7A



720011



1A3D00



00445B

# Rectangle

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



272A7A



710044



1A3D00



004325



# Sweetspot

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



272A7A



7E809E



277A76



3C3D4F



CFCFCF



4F4F4F



# Same Dimension

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



272A7A



1C219E



4C277A



37373D



00057D



0009FC



# Inverse Universe

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



7A272A



9E1C21



557A27



3D3737



7D0005

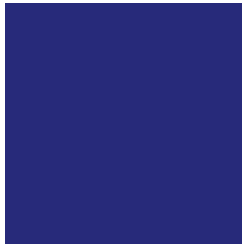


FC0009



# Previews

## White Background



This preview shows how the Hex color 272A7A looks on a white background.

## Color Contrast Check

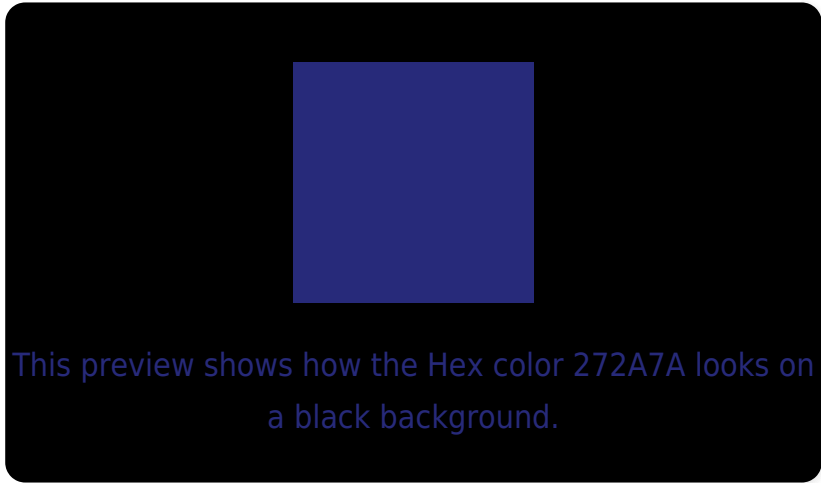
Large Text (above 18pt) WCAG AA ✓ Pass

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

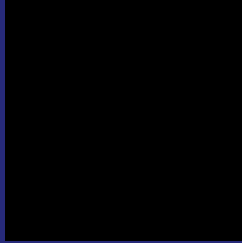
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 272A7A Background



This preview shows how black text looks on a background with the Hex color 272A7A.



This preview shows how white text looks on a background with the Hex color 272A7A.

# 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**  
272A7A

**Protanopia**  
00336B

**Deuteranopia**  
00365C



**Tritanopia**  
003B3F

# Trichromacy



**Original Color**  
272A7A

**Protanomaly**  
0E3070

**Deuteranomaly**  
0E3267

**Tritanomaly**  
0E3554

# Monochromacy



**Original Color**  
272A7A

**Achromatopsia**  
323232

**Achromatomaly**  
2E2F4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 272A7A 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 #272A7A looks like.

```
.text, #text, p{  
    color:#272A7A  
}
```

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 #272A7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #272A7A
}
```

## Border

The CSS property to change the border of an element to Hex 272A7A 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
#272A7A }
```

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

```
.border{ border-color:#272A7A }
```

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

Here you see how a box with a 4 pixel #272A7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #272A7A; -webkit-box-shadow:4px 4px  
4px 4px #272A7A; box-shadow:4px 4px 4px  
4px #272A7A }
```

# Background

The CSS property to change the background color of an element to Hex 272A7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#272A7A }
```

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

```
.background{ background-color:#272A7A }
```

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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