

# Converting Colors

Hex(293A77)

Have a look what the booklet for  
Hex(293A77) contains.

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# Color

Hex(293A77)

# Conversions

## Conversions Part 1

Format	Color
Hex	293A77
RGB	41, 58, 119
RGB Percent	16%, 23%, 47%
CMY	0.8392, 0.7725, 0.5333
CMYK	0.66, 0.51, 0.00, 0.53
HSL	227°, 49%, 31%
HSV	227°, 66%, 47%
XYZ	5.7573, 4.8294, 18.0815
YIQ	59.8710, -29.7130, 15.3670

# Conversions

## Conversions Part 2

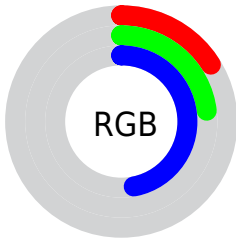
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 55, 119
Decimal	2701943
CIELab	26.24, 14.28, -37.10
CIElCh	26, 39.752, 291.055
Yxy	4.8294, 0.2008, 0.1685
Android (android.graphics.Color)	4280892023 (0xFF293A77)
YUV	59.8710, 29.1506, -16.5499
Hunter-Lab	21.9760, 8.3056, -33.3997

# Details

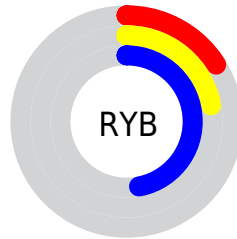
The Hex color **293A77** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **776629**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **5F69AC**, and **001146** is the 20% darker color. If you saturate the color by 10%, you get **1D3177**, and if you desaturate by 10%, it is **354377**.

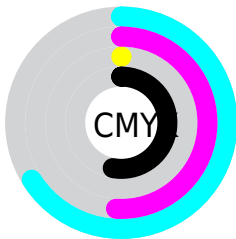
# Distribution



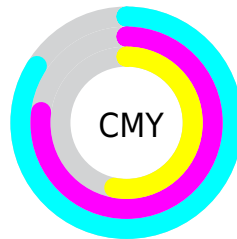
- Red (16%)
- Green (23%)
- Blue (47%)



- Red (16%)
- Yellow (22%)
- Blue (47%)



- Cyan (66%)
- Magenta (51%)
- Yellow (0%)
- Black (53%)



- Cyan (84%)
- Magenta (77%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 293A77 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 293A77 by changing the saturation by 10% instead.



■ 293A77

■ 293A77

FFFFFF

■ 05255E

■ 5F69AC

■ 001146

■ 7A82C7

■ 00042F

■ 959CE4

■ 000119

■ B0B7FF

■ 000000

■ CDD2FF

■ EAEEFF

■ 293A77

■ 293A77

■ 1D3177

■ 354377

■ 112777

■ 414D77

■ 051E77

■ 4D5677

■ 001A77

■ 595F77

■ 656977

■ 707277

■ 7C7B77

■ 888477

■ 948E77

# Harmonies

## Analogous

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



00447A



293A77



592C65

# Triad

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



293A77



682C0E



004B34

# Complementary

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



293A77



776629

# 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.



0B4915



293A77



543900

# Square

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



293A77



73202A



384300



004C53

# Rectangle

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



293A77



6A2252



384300



004B29



# Sweetspot

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



293A77



7C839C



297765



3C404F



CFCFCF



4F4F4F



# Same Dimension

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



293A77



213B9C



3E2977



35363B



001B7A



0036FA



# Inverse Universe

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



77293A



9C213B



627729



3B3536



7A001B



FA0036



# Previews

## White Background



This preview shows how the Hex color 293A77 looks on a white background.

## Color Contrast Check

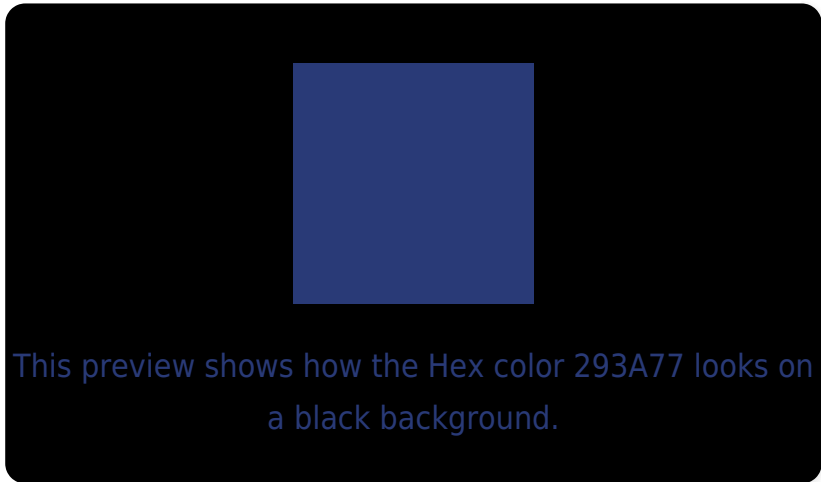
Large Text (above 18pt) WCAG AA ✓ Pass

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

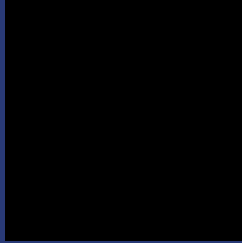
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 293A77 Background



This preview shows how black text looks on a background with the Hex color 293A77.



This preview shows how white text looks on a background with the Hex color 293A77.

# 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**  
293A77

**Protanopia**  
193C79

**Deuteranopia**  
003F6F



**Tritanopia**  
07454A

# Trichromacy



**Original Color**  
293A77

**Protanomaly**  
1F3B78

**Deuteranomaly**  
0F3D72

**Tritanomaly**  
13415A

# Monochromacy



**Original Color**  
293A77

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
353B51

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 293A77 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 #293A77 looks like.

```
.text, #text, p{  
    color:#293A77  
}
```

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 #293A77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #293A77
}
```

## Border

The CSS property to change the border of an element to Hex 293A77 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
#293A77 }
```

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

```
.border{ border-color:#293A77 }
```

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

Here you see how a box with a 4 pixel #293A77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #293A77; -webkit-box-shadow:4px 4px  
4px 4px #293A77; box-shadow:4px 4px 4px  
4px #293A77 }
```

# Background

The CSS property to change the background color of an element to Hex 293A77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#293A77 }
```

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

```
.background{ background-color:#293A77 }
```

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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