

# Converting Colors

Hex(40317A)

Have a look what the booklet for  
Hex(40317A) contains.

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# Color

**Hex(40317A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	40317A
RGB	64, 49, 122
RGB Percent	25%, 19%, 48%
CMY	0.7490, 0.8078, 0.5216
CMYK	0.48, 0.60, 0.00, 0.52
HSL	252°, 43%, 34%
HSV	252°, 60%, 48%
XYZ	6.7255, 4.6918, 18.9635
YIQ	61.8070, -14.4930, 25.8830

# Conversions

## Conversions Part 2

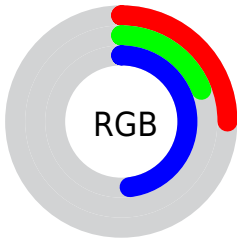
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 49, 122
Decimal	4206970
CIELab	25.84, 26.47, -39.56
CIElCh	26, 47.597, 303.791
Yxy	4.6918, 0.2214, 0.1544
Android (android.graphics.Color)	4282397050 (0xFF40317A)
YUV	61.8070, 29.6751, 1.9233
Hunter-Lab	21.6605, 17.5180, -36.7454

# Details

The Hex color **40317A** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6B7A31**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **7460AF**, and **070648** is the 20% darker color. If you saturate the color by 10%, you get **36257A**, and if you desaturate by 10%, it is **4A3D7A**.

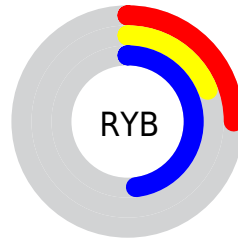
# Distribution



Red (25%)

Green (19%)

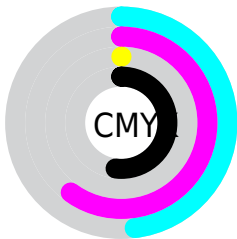
Blue (48%)



Red (25%)

Yellow (19%)

Blue (48%)

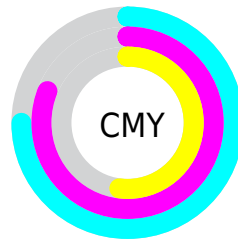


Cyan (48%)

Magenta (60%)

Yellow (0%)

Black (52%)



Cyan (75%)

Magenta (81%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40317A 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 40317A by changing the saturation by 10% instead.



■ 40317A

■ 40317A

FFFFFF

■ 261B61

■ 7460AF

■ 070648

■ 8F79CB

■ 000031

■ AA93E7

■ 00011B

■ C6ADFF

■ 000000

■ E3C9FF

■ FFE5FF

■ 40317A

■ 40317A

■ 36257A

■ 4A3D7A

■ 2D197A

■ 53497A

■ 230C7A

■ 5D567A

■ 19007A

■ 67627A

■ 706E7A

■ 7A7A7A

■ 84867A

■ 8E937A

■ 979F7A

# Harmonies

## Analogous

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



004186



40317A



6B1B5E

# Triad

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



40317A



642F00



004C41

# Complementary

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



40317A



6B7A31

# 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.



004B1B



40317A



483D00

# Square

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



40317A



771A17



224600



004C65

# Rectangle

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



40317A



780C46



224600



004C34



# Sweetspot

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



40317A



87829E



316B7A



413E4F



CFCFCF



4F4F4F



# Same Dimension

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



40317A



442C9E



64317A



38373D



1A007D



3400FC



# Inverse Universe

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



7A316B



9E2C87



477A31



3D373C



7D0063



FC00C9



# Previews

## White Background



This preview shows how the Hex color 40317A looks on a white background.

## Color Contrast Check

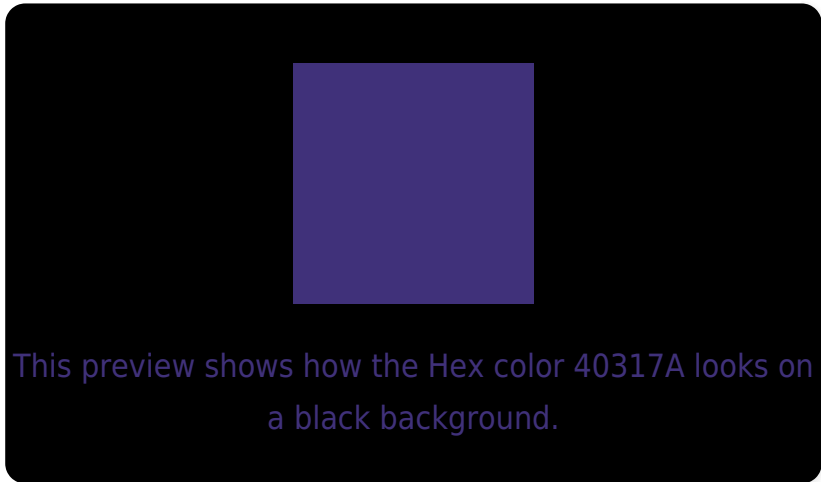
Large Text (above 18pt) WCAG AA ✓ Pass

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

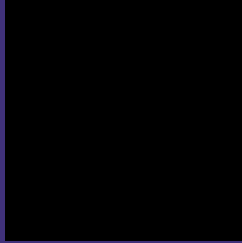
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 40317A Background



This preview shows how black text looks on a background with the Hex color 40317A.



This preview shows how white text looks on a background with the Hex color 40317A.

# 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**  
40317A

**Protanopia**  
003B7E

**Deuteranopia**  
003F6D



**Tritanopia**  
314045

# Trichromacy



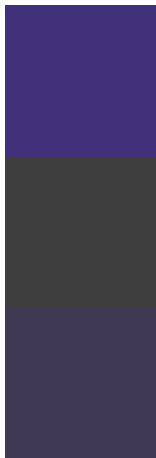
**Original Color**  
40317A

**Protanomaly**  
17377D

**Deuteranomaly**  
173A72

**Tritanomaly**  
363B58

# Monochromacy



**Original Color**  
40317A

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
3F3954

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40317A 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 #40317A looks like.

```
.text, #text, p{  
    color:#40317A  
}
```

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 #40317A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40317A
}
```

## Border

The CSS property to change the border of an element to Hex 40317A 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
#40317A }
```

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

```
.border{ border-color:#40317A }
```

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

Here you see how a box with a 4 pixel #40317A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40317A; -webkit-box-shadow:4px 4px  
4px 4px #40317A; box-shadow:4px 4px 4px  
4px #40317A }
```

# Background

The CSS property to change the background color of an element to Hex 40317A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40317A }
```

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

```
.background{ background-color:#40317A }
```

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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