

# Converting Colors

Hex(0B297A)

Have a look what the booklet for  
Hex(0B297A) contains.

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# Color

**Hex(0B297A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B297A
RGB	11, 41, 122
RGB Percent	4%, 16%, 48%
CMY	0.9569, 0.8392, 0.5216
CMYK	0.91, 0.66, 0.00, 0.52
HSL	224°, 83%, 26%
HSV	224°, 91%, 48%
XYZ	4.4438, 3.0622, 18.7692
YIQ	41.2640, -43.8810, 18.8310

# Conversions

## Conversions Part 2

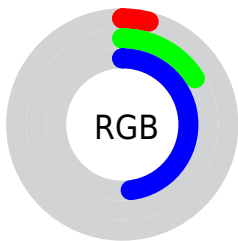
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	11, 35, 122
Decimal	731514
CIE Lab	20.29, 23.70, -48.74
CIE LCh	20, 54.193, 295.931
Yxy	3.0622, 0.1691, 0.1165
Android (android.graphics.Color)	4278921594 (0xFF0B297A)
YUV	41.2640, 39.8028, -26.5415
Hunter-Lab	17.4990, 14.7059, -51.3442

# Details

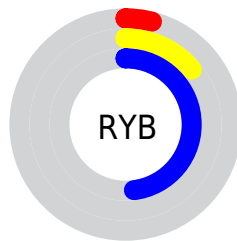
The Hex color **0B297A** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7A5C0B**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **5056AF**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **00217A**, and if you desaturate by 10%, it is **17327A**.

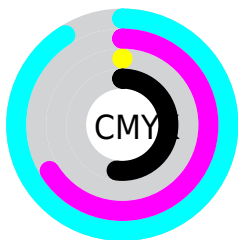
# Distribution



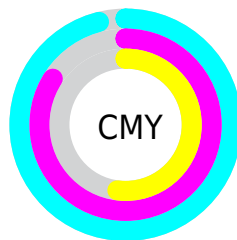
- Red (4%)
- Green (16%)
- Blue (48%)



- Red (4%)
- Yellow (14%)
- Blue (48%)



- Cyan (91%)
- Magenta (66%)
- Yellow (0%)
- Black (52%)



- Cyan (96%)
- Magenta (84%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B297A 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 0B297A by changing the saturation by 10% instead.



0B297A

0B297A

FFFFFF

001561

5056AF

000048

6C6ECB

000431

8887E8

00011B

A4A2FF

000000

C0BDFF

DDD8FF

FBF5FF

0B297A

0B297A

■ 00217A

■ 17327A

■ 233B7A

■ 30447A

■ 3C4D7A

■ 48567A

■ 545E7A

■ 60677A

■ 6D707A

■ 79797A

# Harmonies

## Analogous

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



003982



0B297A



59065E

# Triad

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



0B297A



5F1900



00402A

# Complementary

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



0B297A



7A5C0B

# 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.



003D00



0B297A



422E00

# Square

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



0B297A



700011



1A3800



004053

# Rectangle

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



0B297A



6B0045



1A3800



003F1C



# Sweetspot

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



0B297A



737F9E



0B7A5B



363D4F



CFCFCF



4F4F4F



# Same Dimension

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



0B297A



002B9E



230B7A



37393D



00227D



0044FC



# Inverse Universe

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



7A0B29



9E002B



627A0B



3D3739



7D0022



FC0044



# Previews

## White Background



This preview shows how the Hex color 0B297A looks on a white background.

## Color Contrast Check

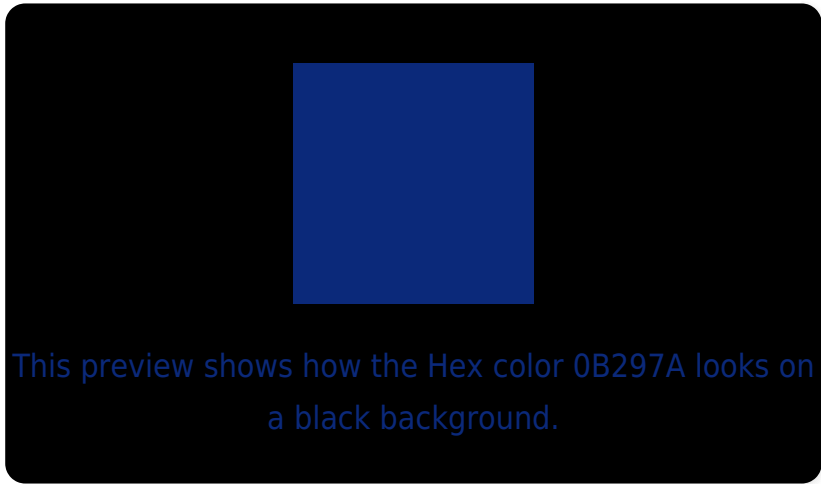
Large Text (above 18pt) WCAG AA ✓ Pass

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

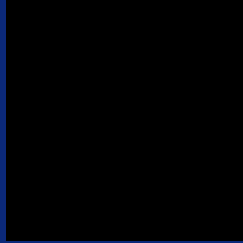
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0B297A Background



This preview shows how black text looks on a background with the Hex color 0B297A.



This preview shows how white text looks on a background with the Hex color 0B297A.

# 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**  
0B297A

**Protanopia**  
003065

**Deuteranopia**  
003356



**Tritanopia**  
00373A

# Trichromacy



**Original Color**  
0B297A

**Protanomaly**  
042D6D

**Deuteranomaly**  
042F63

**Tritanomaly**  
043251

# Monochromacy



**Original Color**  
0B297A

**Achromatopsia**  
292929

**Achromatomaly**  
1E2946

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B297A 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 #0B297A looks like.

```
.text, #text, p{  
    color:#0B297A  
}
```

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 #0B297A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B297A
}
```

## Border

The CSS property to change the border of an element to Hex 0B297A 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
#0B297A }
```

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

```
.border{ border-color:#0B297A }
```

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

Here you see how a box with a 4 pixel #0B297A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B297A; -webkit-box-shadow:4px 4px  
4px 4px #0B297A; box-shadow:4px 4px 4px  
4px #0B297A }
```

# Background

The CSS property to change the background color of an element to Hex 0B297A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B297A }
```

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

```
.background{ background-color:#0B297A }
```

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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