

# Converting Colors

Hex(1B297B)

Have a look what the booklet for  
Hex(1B297B) contains.

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# Color

**Hex(1B297B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B297B
RGB	27, 41, 123
RGB Percent	11%, 16%, 48%
CMY	0.8941, 0.8392, 0.5176
CMYK	0.78, 0.67, 0.00, 0.52
HSL	231°, 64%, 29%
HSV	231°, 78%, 48%
XYZ	4.8201, 3.2489, 19.1120
YIQ	46.1620, -34.6660, 22.5340

# Conversions

## Conversions Part 2

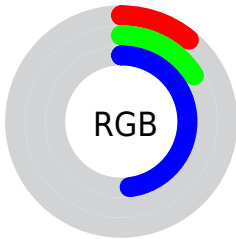
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 39, 123
Decimal	1780091
CIE <sub>Lab</sub>	21.01, 25.53, -48.16
CIE <sub>LCh</sub>	21, 54.510, 297.924
Yxy	3.2489, 0.1773, 0.1195
Android (android.graphics.Color)	4279970171 (0xFF1B297B)
YUV	46.1620, 37.8811, -16.8051
Hunter-Lab	18.0248, 16.1898, -50.2485

# Details

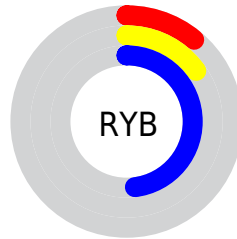
The Hex color **1B297B** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7B6D1B**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **5756B0**, and **000049** is the 20% darker color. If you saturate the color by 10%, you get **0F1E7B**, and if you desaturate by 10%, it is **27347B**.

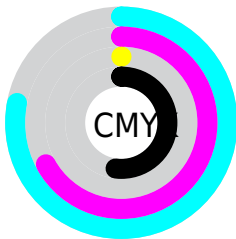
# Distribution



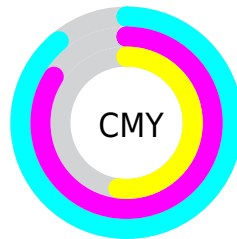
- Red (11%)
- Green (16%)
- Blue (48%)



- Red (11%)
- Yellow (15%)
- Blue (48%)



- Cyan (78%)
- Magenta (67%)
- Yellow (0%)
- Black (52%)



- Cyan (89%)
- Magenta (84%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B297B 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 1B297B by changing the saturation by 10% instead.



■ 1B297B

■ 1B297B

FFFFFF

■ 001562

■ 5756B0

■ 000049

■ 736FCC

■ 000432

■ 8F88E9

■ 00011C

■ ABA2FF

■ 000000

■ C8BDFF

■ E5D9FF

■ FFF6FF

■ 1B297B

■ 1B297B

■ 0F1E7B

■ 27347B

■ 02147B

■ 343E7B

■ 00127B

■ 40497B

■ 4C537B

■ 595E7B

■ 65687B

■ 71737B

■ 7D7D7B

■ 8A887B

# Harmonies

## Analogous

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



003985



1B297B



5D045E

# Triad

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



1B297B



5F1C00



00422F

# Complementary

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



1B297B



7B6D1B

# 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.



003F00



1B297B



423000

# Square

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



1B297B



720010



183B00



004258

# Rectangle

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



1B297B



6F0045



183B00



004120



# Sweetspot

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



1B297B



7C81A1



1B7B6D



3B3E52



D1D1D1



525252



# Same Dimension

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



1B297B



0A20A1



3D1B7B



37383D



00127D



0025FC



# Inverse Universe

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



7B1B29



A10A20



597B1B



3D3738



7D0012

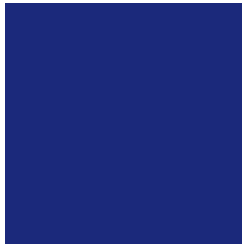


FC0025



# Previews

## White Background



This preview shows how the Hex color 1B297B looks on a white background.

## Color Contrast Check

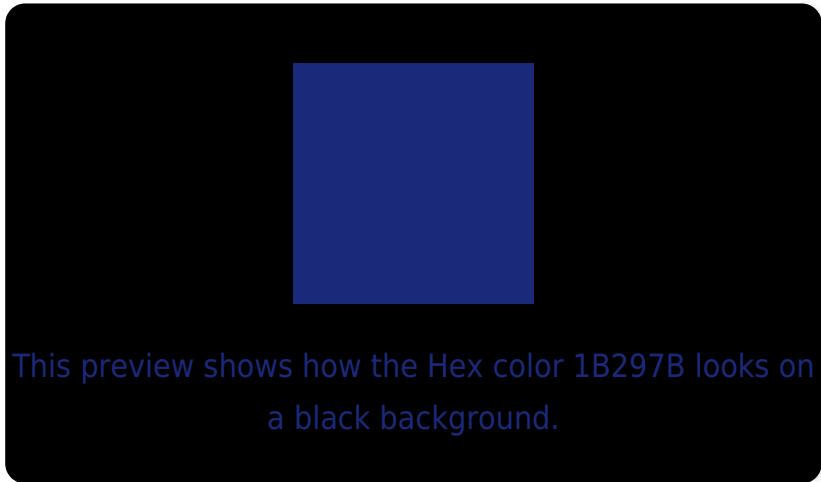
Large Text (above 18pt) WCAG AA ✓ Pass

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

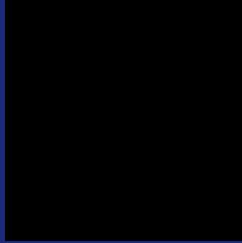
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B297B Background



This preview shows how black text looks on a background with the Hex color 1B297B.



This preview shows how white text looks on a background with the Hex color 1B297B.

# 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**  
1B297B

**Protanopia**  
003168

**Deuteranopia**  
003459



**Tritanopia**  
00383C

# Trichromacy



**Original Color**  
1B297B

**Protanomaly**  
0A2E6F

**Deuteranomaly**  
0A3065

**Tritanomaly**  
0A3353

# Monochromacy



**Original Color**  
1B297B

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
272C4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B297B 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 #1B297B looks like.

```
.text, #text, p{  
    color:#1B297B  
}
```

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 #1B297B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B297B
}
```

## Border

The CSS property to change the border of an element to Hex 1B297B 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
#1B297B }
```

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

```
.border{ border-color:#1B297B }
```

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

Here you see how a box with a 4 pixel #1B297B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B297B; -webkit-box-shadow:4px 4px  
4px 4px #1B297B; box-shadow:4px 4px 4px  
4px #1B297B }
```

# Background

The CSS property to change the background color of an element to Hex 1B297B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B297B }
```

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

```
.background{ background-color:#1B297B }
```

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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