

# Converting Colors

Hex(277C7E)

Have a look what the booklet for  
Hex(277C7E) contains.

<b>Hex(277C7E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(277C7E)

# Conversions

## Conversions Part 1

Format	Color
Hex	277C7E
RGB	39, 124, 126
RGB Percent	15%, 49%, 49%
CMY	0.8471, 0.5137, 0.5059
CMYK	0.69, 0.02, 0.00, 0.51
HSL	181°, 53%, 32%
HSV	181°, 69%, 49%
XYZ	11.8102, 16.3530, 22.2726
YIQ	98.8130, -51.3020, -17.3980

# Conversions

## Conversions Part 2

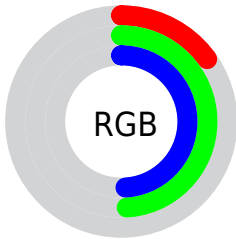
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 82, 126
Decimal	2587774
CIELab	47.43, -23.92, -8.47
CIELCh	47, 25.376, 199.505
Yxy	16.3530, 0.2342, 0.3242
Android (android.graphics.Color)	4280777854 (0xFF277C7E)
YUV	98.8130, 13.4032, -52.4560
Hunter-Lab	40.4388, -18.6367, -4.3482

# Details

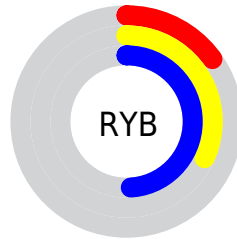
The Hex color **277C7E** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7E2927**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **61B1B3**, and **004B4D** is the 20% darker color. If you saturate the color by 10%, you get **1A7C7E**, and if you desaturate by 10%, it is **347C7E**.

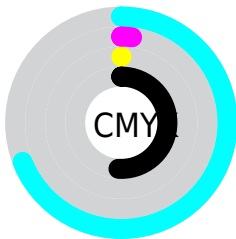
# Distribution



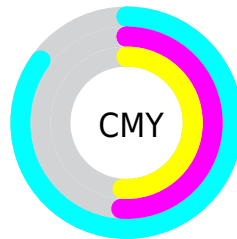
- Red (15%)
- Green (49%)
- Blue (49%)



- Red (15%)
- Yellow (32%)
- Blue (49%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (85%)
- Magenta (51%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 277C7E 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 277C7E by changing the saturation by 10% instead.



■ 277C7E

■ 277C7E

FFFFFF

■ 006365

■ 61B1B3

■ 004B4D

■ 7DCDCE

■ 003436

■ 99E9EA

■ 002021

■ B5FFFF

■ 00000A

■ D2FFFF

■ 000000

■ EFFFFFF

■ 277C7E

■ 277C7E

■ 1A7C7E

■ 347C7E

■ 0E7B7E

■ 407D7E

■ 017B7E

■ 4D7D7E

■ 007B7E

■ 597D7E

■ 667D7E

■ 737E7E

■ 7F7E7E

■ 8C7E7E

■ 987F7E

# Harmonies

## Analogous

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



3E7C68



277C7E



297A90

# Triad

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



277C7E



84668C



866D47

# Complementary

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



277C7E



7E2927

# 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.



956551



277C7E



956179

# Square

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



277C7E



696E99



9B6163



717448

# Rectangle

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



277C7E



3C7798



9B6163



8C6A49



# Sweetspot

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



277C7E



81A2A3



277E28



3D5152



D1D1D1



525252



# Same Dimension

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



277C7E



1CA0A3



27517E



394040



007D80



000000



# Inverse Universe

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



7E277C



A31CA0



7E5427



403940



80007D

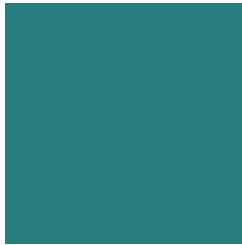


000000



# Previews

## White Background



This preview shows how the Hex color 277C7E looks on a white background.

## Color Contrast Check

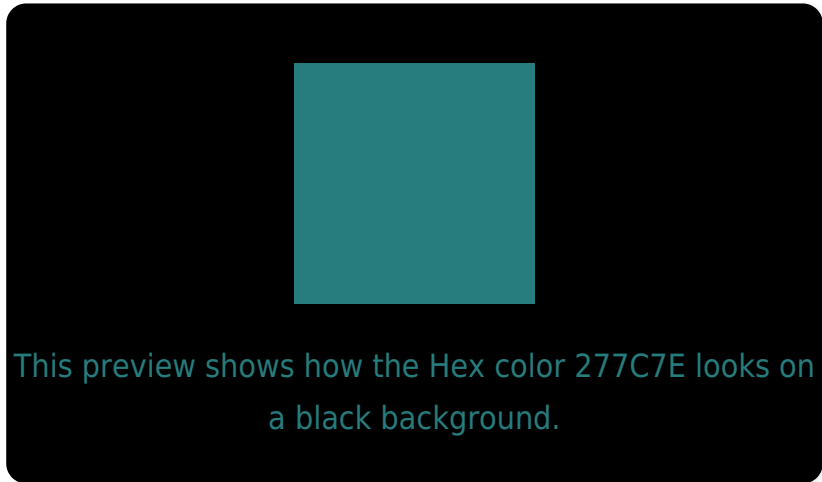
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

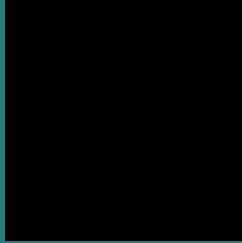
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 277C7E Background



This preview shows how black text looks on a background with the Hex color 277C7E.

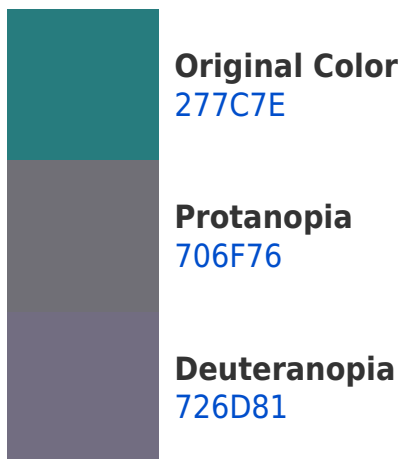


This preview shows how white text looks on a background with the Hex color 277C7E.

# 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](#).

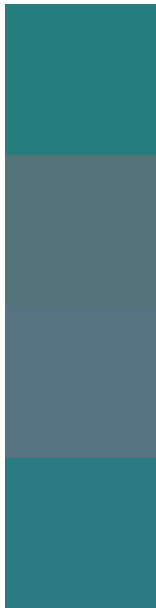
## Dichromacy





**Tritanopia**  
2B7B85

# Trichromacy



**Original Color**  
277C7E

**Protanomaly**  
557479

**Deuteranomaly**  
577280

**Tritanomaly**  
2A7B82

# Monochromacy



**Original Color**  
277C7E

**Achromatopsia**  
636363

**Achromatomaly**  
4D6C6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 277C7E 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 #277C7E looks like.

```
.text, #text, p{  
    color:#277C7E  
}
```

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 #277C7E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #277C7E
}
```

## Border

The CSS property to change the border of an element to Hex 277C7E 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
#277C7E }
```

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

```
.border{ border-color:#277C7E }
```

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

Here you see how a box with a 4 pixel #277C7E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #277C7E; -webkit-box-shadow:4px 4px  
4px 4px #277C7E; box-shadow:4px 4px 4px  
4px #277C7E }
```

# Background

The CSS property to change the background color of an element to Hex 277C7E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#277C7E }
```

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

```
.background{ background-color:#277C7E }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor