

# Converting Colors

Hex(257B7A)

Have a look what the booklet for  
Hex(257B7A) contains.

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# Color

Hex(257B7A)

# Conversions

## Conversions Part 1

Format	Color
Hex	257B7A
RGB	37, 123, 122
RGB Percent	15%, 48%, 48%
CMY	0.8549, 0.5176, 0.5216
CMYK	0.70, 0.00, 0.01, 0.52
HSL	179°, 54%, 31%
HSV	179°, 70%, 48%
XYZ	11.3588, 15.9644, 20.8951
YIQ	97.1720, -50.9350, -18.5430

# Conversions

## Conversions Part 2

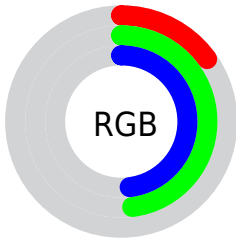
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 80, 123
Decimal	2456442
CIELab	46.93, -24.96, -6.86
CIELCh	47, 25.884, 195.379
Yxy	15.9644, 0.2356, 0.3311
Android (android.graphics.Color)	4280646522 (0xFF257B7A)
YUV	97.1720, 12.2402, -52.7708
Hunter-Lab	39.9554, -19.1770, -3.0375

# Details

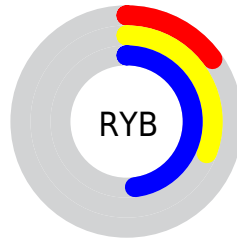
The Hex color **257B7A** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7B2526**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **60B0AE**, and **004A49** is the 20% darker color. If you saturate the color by 10%, you get **197B7A**, and if you desaturate by 10%, it is **317B7A**.

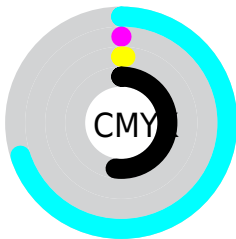
# Distribution



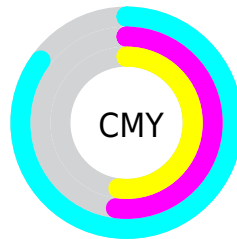
- Red (15%)
- Green (48%)
- Blue (48%)



- Red (15%)
- Yellow (31%)
- Blue (48%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (52%)



- Cyan (85%)
- Magenta (52%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 257B7A 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 257B7A by changing the saturation by 10% instead.



 257B7A

 257B7A

FFFFFF

 006261

 60B0AE

 004A49

 7BCBCA

 003333

 97E8E6

 001F1E

 B3FFFF

 000004

 D0FFFF


 000000

 EDFFFF

 257B7A

 257B7A

 197B7A

 317B7A

■ 0C7B7A

■ 3E7B7A

■ 007B7A

■ 4A7B7A

■ 567B7B

■ 637B7B

■ 6F7B7B

■ 7B7B7B

■ 877B7B

■ 947B7B

# Harmonies

## Analogous

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



3F7A64



257B7A



21798D

# Triad

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



257B7A



80668E



876A45

# Complementary

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



257B7A



7B2526

# 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.



956351



257B7A



93607B

# Square

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



257B7A



626D99



9A5F65



737145

# Rectangle

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



257B7A



347696



9A5F65



8D6848



# Sweetspot

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



257B7A



7FA1A0



267B25



3D5251



D1D1D1



525252



# Same Dimension

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



257B7A



1AA19F



25517B



373D3D



007D7B



00FCFA



# Inverse Universe

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



7B2526



A11A1B



7B4F25



3D3737



7D0001

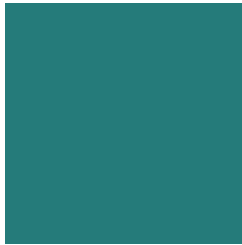


FC0003



# Previews

## White Background



This preview shows how the Hex color 257B7A looks on a white background.

## Color Contrast Check

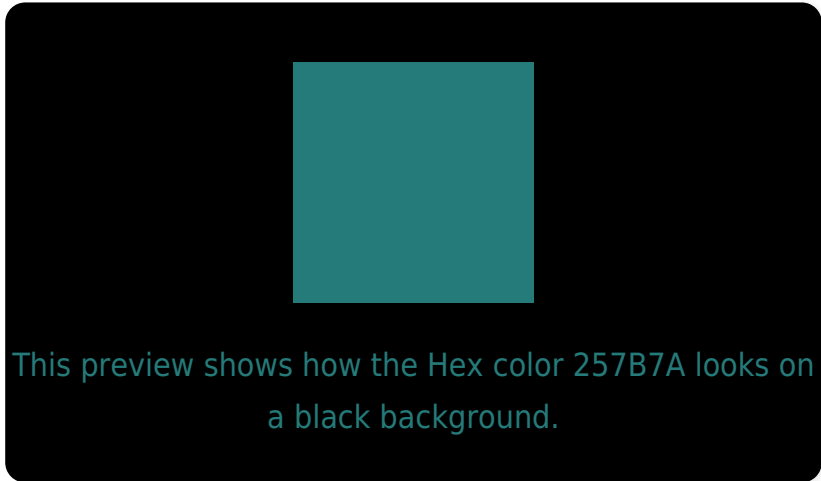
Large Text (above 18pt) WCAG AA ✓ Pass

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

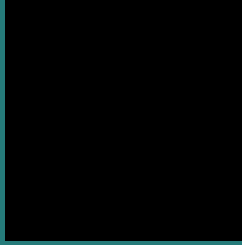
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 257B7A Background



This preview shows how black text looks on a background with the Hex color 257B7A.

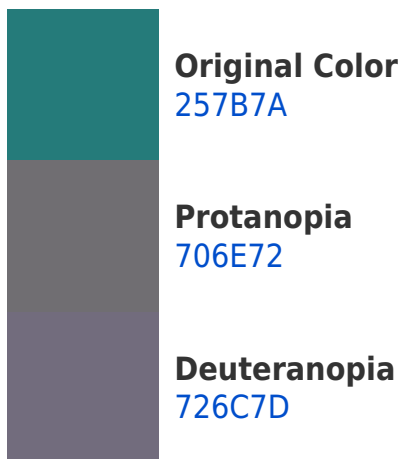


This preview shows how white text looks on a background with the Hex color 257B7A.

# 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](#).

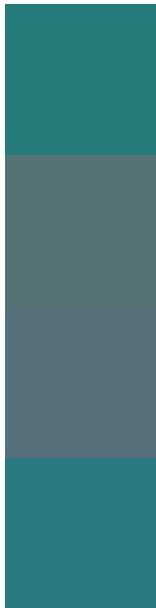
## Dichromacy





**Tritanopia**  
2B7A83

# Trichromacy



**Original Color**  
257B7A

**Protanomaly**  
557375

**Deuteranomaly**  
56717C

**Tritanomaly**  
297A80

# Monochromacy



**Original Color**  
257B7A

**Achromatopsia**  
616161

**Achromatomaly**  
4B6A6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 257B7A 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 #257B7A looks like.

```
.text, #text, p{  
    color:#257B7A  
}
```

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 #257B7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #257B7A
}
```

## Border

The CSS property to change the border of an element to Hex 257B7A 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
#257B7A }
```

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

```
.border{ border-color:#257B7A }
```

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

Here you see how a box with a 4 pixel #257B7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #257B7A; -webkit-box-shadow:4px 4px  
4px 4px #257B7A; box-shadow:4px 4px 4px  
4px #257B7A }
```

# Background

The CSS property to change the background color of an element to Hex 257B7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#257B7A }
```

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

```
.background{ background-color:#257B7A }
```

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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