

# Converting Colors

Hex(2B7880)

Have a look what the booklet for  
Hex(2B7880) contains.

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# Color

**Hex(2B7880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B7880
RGB	43, 120, 128
RGB Percent	17%, 47%, 50%
CMY	0.8314, 0.5294, 0.4980
CMYK	0.66, 0.06, 0.00, 0.50
HSL	186°, 50%, 34%
HSV	186°, 66%, 50%
XYZ	11.6090, 15.5050, 22.8030
YIQ	97.8890, -48.4600, -13.8360

# Conversions

## Conversions Part 2

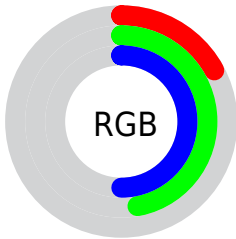
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 83, 128
Decimal	2848896
CIELab	46.32, -20.53, -11.32
CIELCh	46, 23.451, 208.876
Yxy	15.5050, 0.2326, 0.3106
Android (android.graphics.Color)	4281038976 (0xFF2B7880)
YUV	97.8890, 14.8447, -48.1377
Hunter-Lab	39.3764, -16.2832, -6.7715

# Details

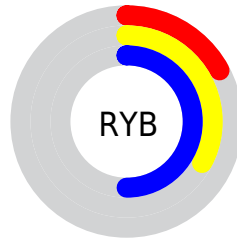
The Hex color **2B7880** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **80332B**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **64ADB5**, and **00474F** is the 20% darker color. If you saturate the color by 10%, you get **1E7780**, and if you desaturate by 10%, it is **387980**.

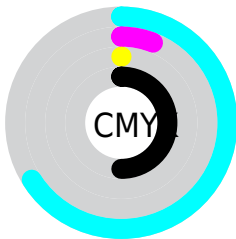
# Distribution



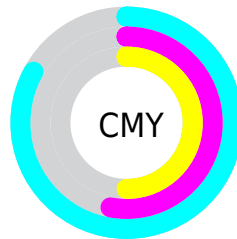
- Red (17%)
- Green (47%)
- Blue (50%)



- Red (17%)
- Yellow (33%)
- Blue (50%)



- Cyan (66%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (83%)
- Magenta (53%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B7880 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 2B7880 by changing the saturation by 10% instead.



 2B7880

 2B7880

FFFFFF

 015F67

 64ADB5

 00474F

 7FC8D0

 003038

 9BE4ED

 001D23

 B7FFFF

 00000C


 D4FFFF

 000000

 F1FFFF

 2B7880

 2B7880

 1E7780

 387980

■ 117680

■ 457A80

■ 057480

■ 517C80

■ 007480

■ 5E7D80

■ 6B7E80

■ 787F80

■ 858080

■ 918280

■ 9E8380

# Harmonies

## Analogous

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



3A786C



2B7880



36758F

# Triad

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



2B7880



866282



7C6C46

# Complementary

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



2B7880



80332B

# 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.



8C664D



2B7880



935F6F

# Square

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



2B7880



6F6990



94605C



67724B

# Rectangle

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



2B7880



487294



94605C



826A47



# Sweetspot

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



2B7880



85A3A6



2B8032



405254



D4D4D4



545454



# Same Dimension

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



2B7880



2199A6



2B4E80



393F40



007380



000000



# Inverse Universe

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



802B78



A62199



805D2B



40393F



800074

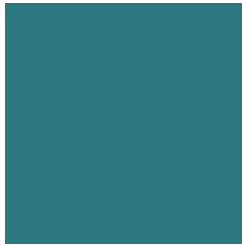


000000



# Previews

## White Background



This preview shows how the Hex color 2B7880 looks on a white background.

## Color Contrast Check

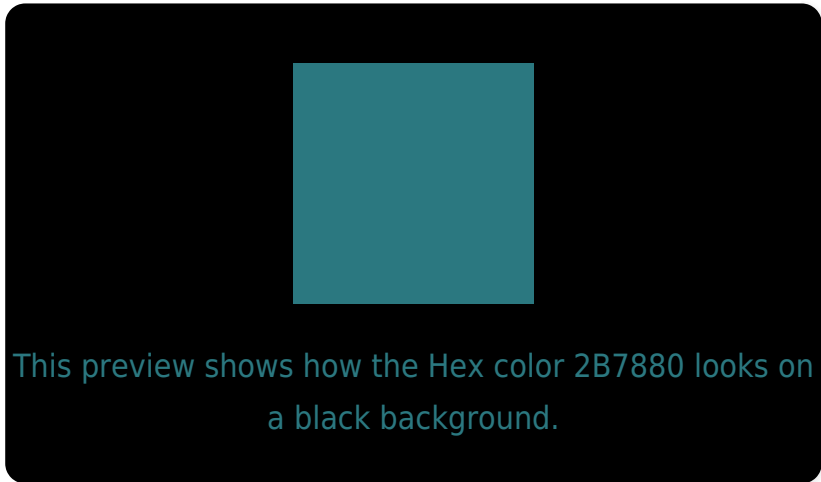
Large Text (above 18pt) WCAG AA ✓ Pass

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

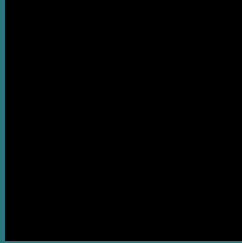
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B7880 Background



This preview shows how black text looks on a background with the Hex color 2B7880.

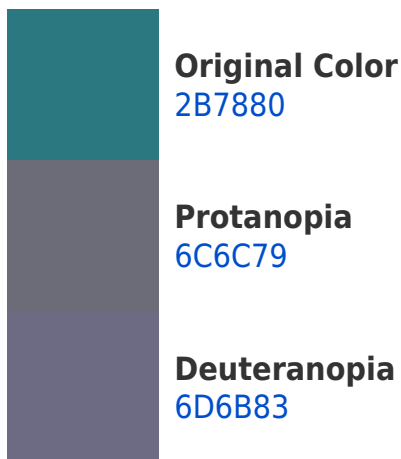


This preview shows how white text looks on a background with the Hex color 2B7880.

# 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**  
2C7881

# Trichromacy



**Original Color**  
2B7880

**Protanomaly**  
54707C

**Deuteranomaly**  
557082

**Tritanomaly**  
2C7881

# Monochromacy



**Original Color**  
2B7880

**Achromatopsia**  
626262

**Achromatomaly**  
4E6A6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B7880 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 #2B7880 looks like.

```
.text, #text, p{  
    color:#2B7880  
}
```

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 #2B7880 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B7880
}
```

## Border

The CSS property to change the border of an element to Hex 2B7880 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
#2B7880 }
```

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

```
.border{ border-color:#2B7880 }
```

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

Here you see how a box with a 4 pixel #2B7880 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B7880; -webkit-box-shadow:4px 4px  
4px 4px #2B7880; box-shadow:4px 4px 4px  
4px #2B7880 }
```

# Background

The CSS property to change the background color of an element to Hex 2B7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B7880 }
```

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

```
.background{ background-color:#2B7880 }
```

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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