

# Converting Colors

Hex(2E7B80)

Have a look what the booklet for  
Hex(2E7B80) contains.

<b>Hex(2E7B80)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(2E7B80)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7B80
RGB	46, 123, 128
RGB Percent	18%, 48%, 50%
CMY	0.8196, 0.5176, 0.4980
CMYK	0.64, 0.04, 0.00, 0.50
HSL	184°, 47%, 34%
HSV	184°, 64%, 50%
XYZ	12.1060, 16.3053, 22.9313
YIQ	100.5470, -47.4970, -14.7690

# Conversions

## Conversions Part 2

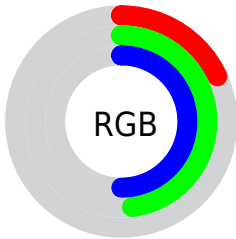
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 86, 128
Decimal	3046272
CIELab	47.37, -21.59, -9.73
CIELCh	47, 23.680, 204.260
Yxy	16.3053, 0.2358, 0.3176
Android (android.graphics.Color)	4281236352 (0xFF2E7B80)
YUV	100.5470, 13.5343, -47.8377
Hunter-Lab	40.3798, -17.1499, -5.4043

# Details

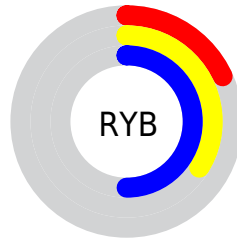
The Hex color **2E7B80** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **80332E**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **66B0B5**, and **004A4F** is the 20% darker color. If you saturate the color by 10%, you get **217A80**, and if you desaturate by 10%, it is **3B7C80**.

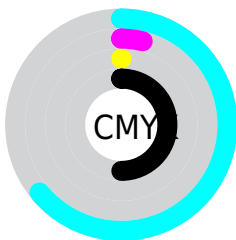
# Distribution



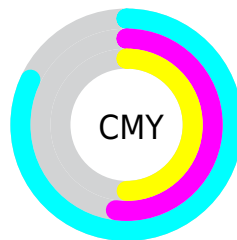
- Red (18%)
- Green (48%)
- Blue (50%)



- Red (18%)
- Yellow (34%)
- Blue (50%)



- Cyan (64%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



- Cyan (82%)
- Magenta (52%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7B80 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 2E7B80 by changing the saturation by 10% instead.



 2E7B80

 2E7B80

FFFFFF

 076267

 66B0B5

 004A4F

 82CBD0

 003338

 9EE8ED

 001F23

 BAF0FF

 00000C


 D7FFFF

 000000

 F4FFFF

 2E7B80

 2E7B80

 217A80

 3B7C80

■ 147980

■ 487D80

■ 087980

■ 547D80

■ 007880

■ 617E80

■ 6E7F80

■ 7B8080

■ 888080

■ 948180

■ A18280

# Harmonies

## Analogous

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



3F7B6C



2E7B80



357890

# Triad

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



2E7B80



866688



826E49

# Complementary

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



2E7B80



80332E

# 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.



916751



2E7B80



956275

# Square

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



2E7B80



6E6D95



986261



6D744C

# Rectangle

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



2E7B80



467596



986261



876C4A



# Sweetspot

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



2E7B80



86A4A6



2E8032



415354



D4D4D4



545454



# Same Dimension

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



2E7B80



269EA6



2E5380



393F40



007880



000000



# Inverse Universe

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



802E7B



A6269E



805B2E



40393F



800078

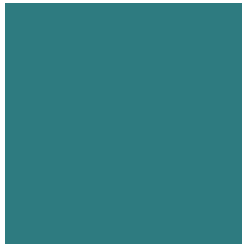


000000



# Previews

## White Background



This preview shows how the Hex color 2E7B80 looks on a white background.

## Color Contrast Check

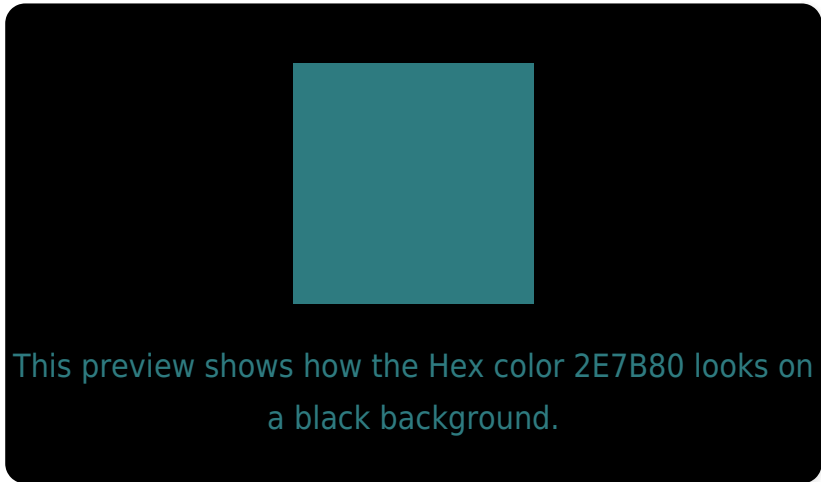
Large Text (above 18pt) WCAG AA ✓ Pass

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

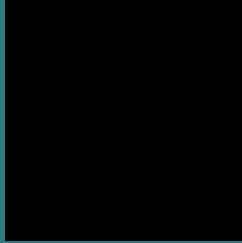
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E7B80 Background



This preview shows how black text looks on a background with the Hex color 2E7B80.

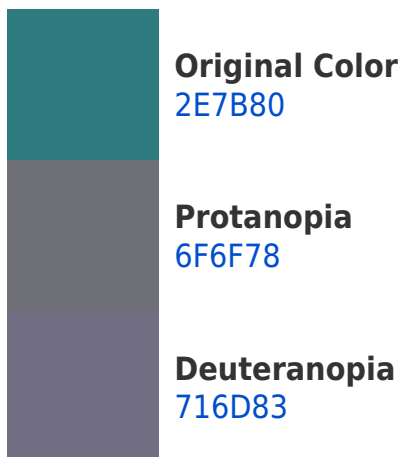


This preview shows how white text looks on a background with the Hex color 2E7B80.

# 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**  
307A84

# Trichromacy



**Original Color**  
2E7B80

**Protanomaly**  
57737B

**Deuteranomaly**  
597282

**Tritanomaly**  
2F7A83

# Monochromacy



**Original Color**  
2E7B80

**Achromatopsia**  
656565

**Achromatomaly**  
516D6F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7B80 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 #2E7B80 looks like.

```
.text, #text, p{  
    color:#2E7B80  
}
```

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 #2E7B80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7B80
}
```

## Border

The CSS property to change the border of an element to Hex 2E7B80 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
#2E7B80 }
```

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

```
.border{ border-color:#2E7B80 }
```

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

Here you see how a box with a 4 pixel #2E7B80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7B80; -webkit-box-shadow:4px 4px  
4px 4px #2E7B80; box-shadow:4px 4px 4px  
4px #2E7B80 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7B80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7B80 }
```

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

```
.background{ background-color:#2E7B80 }
```

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