

# Converting Colors

Hex(2E7E91)

Have a look what the booklet for  
Hex(2E7E91) contains.

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# Color

**Hex(2E7E91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7E91
RGB	46, 126, 145
RGB Percent	18%, 49%, 57%
CMY	0.8196, 0.5059, 0.4314
CMYK	0.68, 0.13, 0.00, 0.43
HSL	192°, 52%, 37%
HSV	192°, 68%, 57%
XYZ	13.6984, 17.5469, 29.4530
YIQ	104.2460, -53.7790, -11.0510

# Conversions

## Conversions Part 2

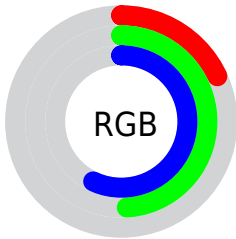
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 90, 145
Decimal	3047057
CIELab	48.94, -17.77, -17.38
CIELCh	49, 24.857, 224.354
Yxy	17.5469, 0.2257, 0.2891
Android (android.graphics.Color)	4281237137 (0xFF2E7E91)
YUV	104.2460, 20.0917, -51.0817
Hunter-Lab	41.8890, -14.9333, -12.3656

# Details

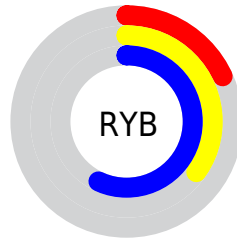
The Hex color **2E7E91** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **91412E**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **68B3C7**, and **004D5F** is the 20% darker color. If you saturate the color by 10%, you get **207B91**, and if you desaturate by 10%, it is **3D8191**.

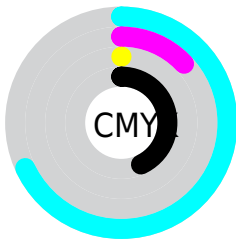
# Distribution



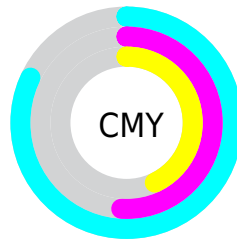
- Red (18%)
- Green (49%)
- Blue (57%)



- Red (18%)
- Yellow (35%)
- Blue (57%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (43%)



- Cyan (82%)
- Magenta (51%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7E91 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 2E7E91 by changing the saturation by 10% instead.



■ 2E7E91

■ 2E7E91

FFFFFF

■ 006577

■ 68B3C7

■ 004D5F

■ 84CEE3

■ 003647

■ A1EBFF

■ 002130

■ BDFFFF

■ 00011C

■ DAFFFF

■ 000000

■ F8FFFF

■ 2E7E91

■ 2E7E91

■ 207B91

■ 3D8191

■ 117891

■ 4B8491

■ 037691

■ 5A8691

■ 007591

■ 688991

■ 778C91

■ 858F91

■ 949191

■ A29491

■ B19791

# Harmonies

## Analogous

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



31807E



2E7E91



477A9C

# Triad

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



2E7E91



976680



79764B

# Complementary

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



2E7E91



91412E

# 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.



8C6F4C



2E7E91



9E656B

# Square

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



2E7E91



846B92



9A6858



617C56

# Rectangle

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



2E7E91



5C759E



9A6858



80744A



# Sweetspot

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



2E7E91



97B5BD



2E9140



485A5E



DEDEDE



5E5E5E



# Same Dimension

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



2E7E91



229FBD



2E4D91



404647



006D87



000608



# Inverse Universe

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



912E7E



BD229F



91722E



474046



87006D

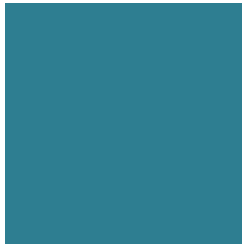


080006



# Previews

## White Background



This preview shows how the Hex color 2E7E91 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 ✓ Pass

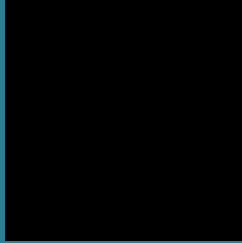
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E7E91 Background



This preview shows how black text looks on a background with the Hex color 2E7E91.

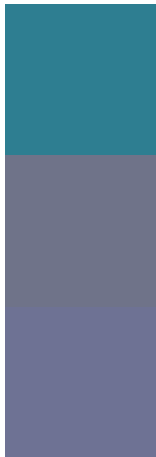


This preview shows how white text looks on a background with the Hex color 2E7E91.

# 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**  
2E7E91

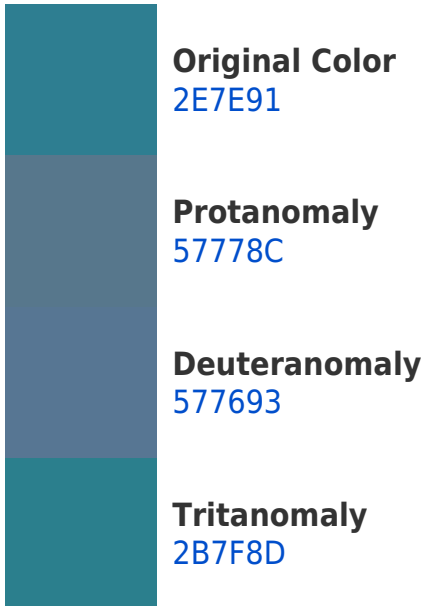
**Protanopia**  
6F7389

**Deuteranopia**  
6E7294



**Tritanopia**  
2A7F8A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7E91 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 #2E7E91 looks like.

```
.text, #text, p{  
    color:#2E7E91  
}
```

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 #2E7E91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7E91
}
```

## Border

The CSS property to change the border of an element to Hex 2E7E91 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
#2E7E91 }
```

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

```
.border{ border-color:#2E7E91 }
```

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

Here you see how a box with a 4 pixel #2E7E91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7E91; -webkit-box-shadow:4px 4px  
4px 4px #2E7E91; box-shadow:4px 4px 4px  
4px #2E7E91 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7E91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7E91 }
```

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

```
.background{ background-color:#2E7E91 }
```

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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