

# Converting Colors

Hex(2E597B)

Have a look what the booklet for  
Hex(2E597B) contains.

<b>Hex(2E597B)</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(2E597B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E597B
RGB	46, 89, 123
RGB Percent	18%, 35%, 48%
CMY	0.8196, 0.6510, 0.5176
CMYK	0.63, 0.28, 0.00, 0.52
HSL	206°, 46%, 33%
HSV	206°, 63%, 48%
XYZ	8.2742, 9.1557, 20.0700
YIQ	80.0190, -36.5420, 1.4580

# Conversions

## Conversions Part 2

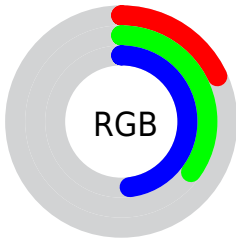
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 74, 123
Decimal	3037563
CIELab	36.28, -3.76, -23.68
CIElCh	36, 23.976, 260.987
Yxy	9.1557, 0.2206, 0.2442
Android (android.graphics.Color)	4281227643 (0xFF2E597B)
YUV	80.0190, 21.1896, -29.8347
Hunter-Lab	30.2583, -4.1406, -18.1456




# Details

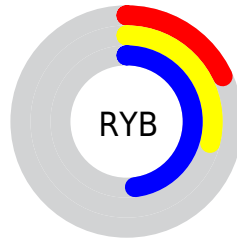
The Hex color **2E597B** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **7B502E**, and the grayscale version is **505050**.




A 20% lighter version of the original color is **638BB0**, and **002C4A** is the 20% darker color. If you saturate the color by 10%, you get **22547B**, and if you desaturate by 10%, it is **3A5E7B**.

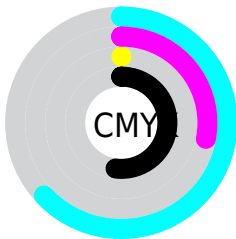
# Distribution







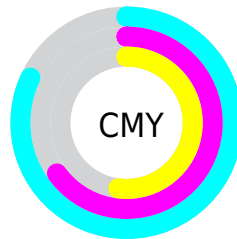
-  Red (18%)
-  Green (35%)
-  Blue (48%)






-  Red (18%)
-  Yellow (29%)
-  Blue (48%)



-  Cyan (63%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E597B 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 2E597B by changing the saturation by 10% instead.



■ 2E597B

■ 2E597B

FFFFFF

■ 0E4262

■ 638BB0

■ 002C4A

■ 7EA5CB

■ 001833

■ 99C0E7

■ 00021E

■ B5DCFF

■ 000000

■ D1F9FF

■ EEEFFF

■ 2E597B

■ 2E597B

■ 22547B

■ 3A5E7B

■ 154E7B

■ 47647B

■ 09497B

■ 53697B

■ 00457B

■ 5F6F7B

■ 6B747B

■ 787A7B

■ 847F7B

■ 90847B

■ 9D8A7B

# Harmonies

## Analogous

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



035D73



2E597B



4F5379

# Triad

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



2E597B



7B4749



3E5D3C

# Complementary

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



2E597B



7B502E

# 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.



545831



2E597B



754C38

# Square

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



2E597B



77475C



67522F



245F4F

# Rectangle

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



2E597B



614E72



67522F



465C38



# Sweetspot

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



2E597B



8293A1



2E7B4F



3F4952



D1D1D1



525252



# Same Dimension

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



2E597B



286BA1



2E337B



373A3D



00467D



008DFC



# Inverse Universe

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



7B2E59



A1286B



7B762E



3D373A



7D0046

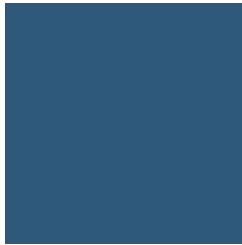


FC008D



# Previews

## White Background



This preview shows how the Hex color 2E597B 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

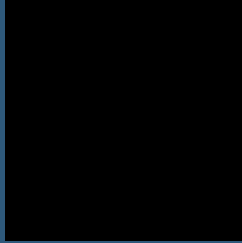
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E597B Background



This preview shows how black text looks on a background with the Hex color 2E597B.

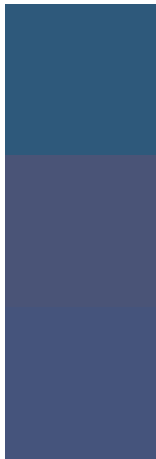


This preview shows how white text looks on a background with the Hex color 2E597B.

# 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**  
2E597B

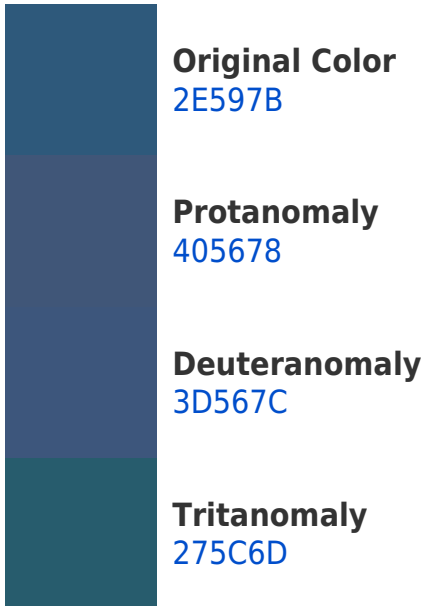
**Protanopia**  
4A5477

**Deuteranopia**  
45547C

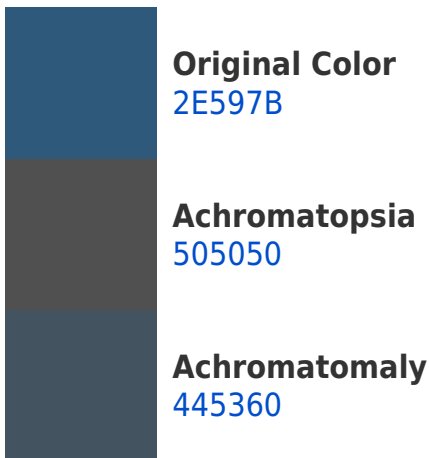


**Tritanopia**  
235D65

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E597B 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 #2E597B looks like.

```
.text, #text, p{  
    color:#2E597B  
}
```

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 #2E597B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E597B
}
```

## Border

The CSS property to change the border of an element to Hex 2E597B 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
#2E597B }
```

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

```
.border{ border-color:#2E597B }
```

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

Here you see how a box with a 4 pixel #2E597B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E597B; -webkit-box-shadow:4px 4px  
4px 4px #2E597B; box-shadow:4px 4px 4px  
4px #2E597B }
```

# Background

The CSS property to change the background color of an element to Hex 2E597B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E597B }
```

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

```
.background{ background-color:#2E597B }
```

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