

# Converting Colors

Hex(2B5E77)

Have a look what the booklet for  
Hex(2B5E77) contains.

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# Color

Hex(2B5E77)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B5E77
RGB	43, 94, 119
RGB Percent	17%, 37%, 47%
CMY	0.8314, 0.6314, 0.5333
CMYK	0.64, 0.21, 0.00, 0.53
HSL	200°, 47%, 32%
HSV	200°, 64%, 47%
XYZ	8.3287, 9.8509, 18.9152
YIQ	81.6010, -38.4210, -3.0370

# Conversions

## Conversions Part 2

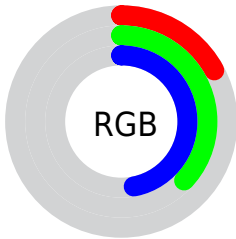
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 74, 119
Decimal	2842231
CIELab	37.57, -8.84, -19.23
CIElCh	38, 21.161, 245.318
Yxy	9.8509, 0.2245, 0.2656
Android (android.graphics.Color)	4281032311 (0xFF2B5E77)
YUV	81.6010, 18.4377, -33.8531
Hunter-Lab	31.3862, -7.5584, -13.7615

# Details

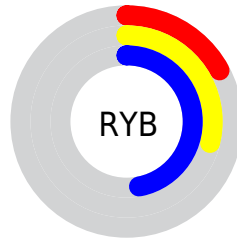
The Hex color **2B5E77** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **77442B**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **6190AB**, and **003046** is the 20% darker color. If you saturate the color by 10%, you get **1F5A77**, and if you desaturate by 10%, it is **376277**.

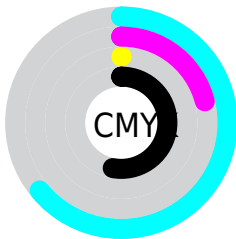
# Distribution



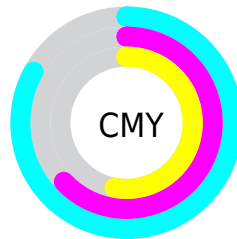
- Red (17%)
- Green (37%)
- Blue (47%)



- Red (17%)
- Yellow (29%)
- Blue (47%)



- Cyan (64%)
- Magenta (21%)
- Yellow (0%)
- Black (53%)



- Cyan (83%)
- Magenta (63%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B5E77 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 2B5E77 by changing the saturation by 10% instead.



■ 2B5E77

■ 2B5E77

FFFFFF

■ 09465E

■ 6190AB

■ 003046

■ 7BABC7

■ 001C30

■ 96C6E3

■ 00011B

■ B2E2FF

■ 000000

■ CEFFFF

■ EBFFFF

■ 2B5E77

■ 2B5E77

■ 1F5A77

■ 376277

■ 135677

■ 436677

■ 075277

■ 4F6A77

■ 005077

■ 5B6E77

■ 667277

■ 727577

■ 7E7977

■ 8A7D77

■ 968177

# Harmonies

## Analogous

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



1B616C



2B5E77



46597A

# Triad

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



2B5E77



794B56



4F5D3C

# Complementary

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



2B5E77



77442B

# 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.



615836



2B5E77



794D46

# Square

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



2B5E77



714E67



70533A



3A604A

# Rectangle

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



2B5E77



575577



70533A



555C39



# Sweetspot

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



2B5E77



7E929C



2B7743



3D494F



CFCFCF



4F4F4F



# Same Dimension

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



2B5E77



24749C



2B3977



35393B



00527A



00A8FA



# Inverse Universe

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



772B5E



9C2474



77692B



3B3539



7A0052

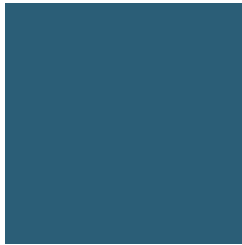


FA00A8



# Previews

## White Background



This preview shows how the Hex color 2B5E77 looks on a white background.

## Color Contrast Check

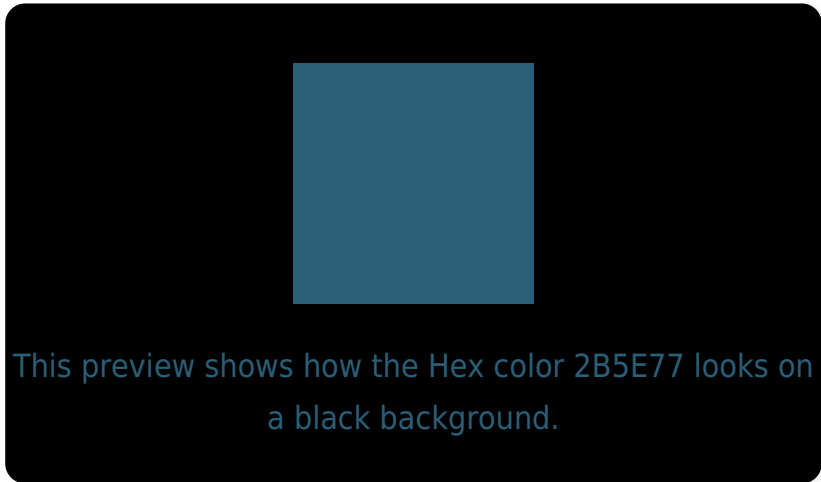
Large Text (above 18pt) WCAG AA ✓ Pass

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

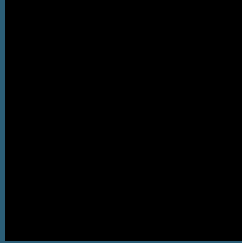
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B5E77 Background



This preview shows how black text looks on a background with the Hex color 2B5E77.



This preview shows how white text looks on a background with the Hex color 2B5E77.

# 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](#).

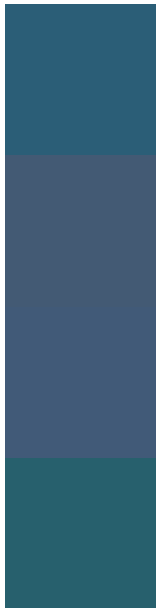
## Dichromacy





**Tritanopia**  
246168

# Trichromacy



**Original Color**  
2B5E77

**Protanomaly**  
435A74

**Deuteranomaly**  
415A78

**Tritanomaly**  
27606D

# Monochromacy



**Original Color**  
2B5E77

**Achromatopsia**  
525252

**Achromatomaly**  
44565F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B5E77 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 #2B5E77 looks like.

```
.text, #text, p{  
    color:#2B5E77  
}
```

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 #2B5E77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B5E77  
}
```

## Border

The CSS property to change the border of an element to Hex 2B5E77 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  
#2B5E77 }
```

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

```
.border{ border-color:#2B5E77 }
```

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

Here you see how a box with a 4 pixel #2B5E77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B5E77; -webkit-box-shadow:4px 4px  
4px 4px #2B5E77; box-shadow:4px 4px 4px  
4px #2B5E77 }
```

# Background

The CSS property to change the background color of an element to Hex 2B5E77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B5E77 }
```

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

```
.background{ background-color:#2B5E77 }
```

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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