

# Converting Colors

Hex(3B6E77)

Have a look what the booklet for  
Hex(3B6E77) contains.

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# Color

**Hex(3B6E77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B6E77
RGB	59, 110, 119
RGB Percent	23%, 43%, 47%
CMY	0.7686, 0.5686, 0.5333
CMYK	0.50, 0.08, 0.00, 0.53
HSL	189°, 34%, 35%
HSV	189°, 50%, 47%
XYZ	10.7093, 13.4136, 19.4774
YIQ	95.7770, -33.2850, -8.0130

# Conversions

## Conversions Part 2

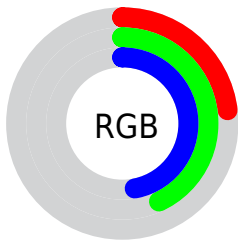
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 87, 119
Decimal	3894903
CIELab	43.38, -14.45, -10.31
CIELCh	43, 17.753, 215.509
Yxy	13.4136, 0.2456, 0.3076
Android (android.graphics.Color)	4282084983 (0xFF3B6E77)
YUV	95.7770, 11.4489, -32.2534
Hunter-Lab	36.6246, -11.8980, -5.8940

# Details

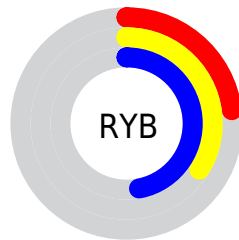
The Hex color **3B6E77** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **77443B**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **6FA2AB**, and **003E47** is the 20% darker color. If you saturate the color by 10%, you get **2F6C77**, and if you desaturate by 10%, it is **477077**.

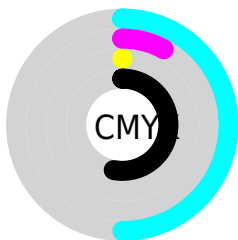
# Distribution



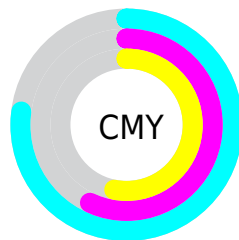
- Red (23%)
- Green (43%)
- Blue (47%)



- Red (23%)
- Yellow (34%)
- Blue (47%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (77%)
- Magenta (57%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B6E77 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 3B6E77 by changing the saturation by 10% instead.





3B6E77



3B6E77

FFFFFF



20565E



6FA2AB



003E47



89BDC6



002830



A5D9E2



00151B



C0F5FF



000000



DDFFFF



FAFFFF



3B6E77



3B6E77



2F6C77



477077

■ 236A77

■ 537277

■ 176977

■ 5F7377

■ 0B6777

■ 6B7577

■ 006577

■ 767777

■ 827977

■ 8E7A77

■ 9A7C77

■ A67E77

# Harmonies

## Analogous

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



406F69



3B6E77



456B81

# Triad

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



3B6E77



7C5D73



6F6649

# Complementary

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



3B6E77



77443B

# 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.



7C614C



3B6E77



845C64

# Square

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



3B6E77



6C627E



835D56



5E6B4E

# Rectangle

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



3B6E77



516983



835D56



736549



# Sweetspot

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



3B6E77



84989C



3B7744



414D4F



CFCFCF



4F4F4F



# Same Dimension

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



3B6E77



3D8D9C



3B5077



353A3B



00687A



00D4FA



# Inverse Universe

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



773B6E



9C3D8D



77623B



3B353A



7A0068

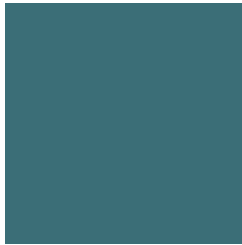


FA00D4



# Previews

## White Background



This preview shows how the Hex color 3B6E77 looks on a white background.

## Color Contrast Check

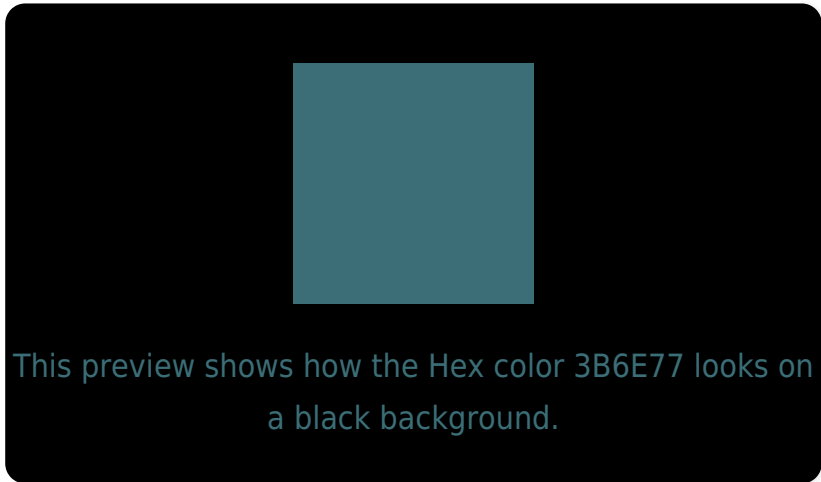
Large Text (above 18pt) WCAG AA ✓ Pass

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

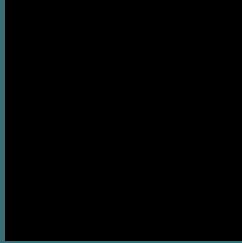
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B6E77 Background



This preview shows how black text looks on a background with the Hex color 3B6E77.

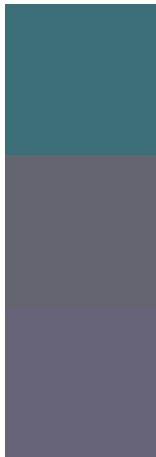


This preview shows how white text looks on a background with the Hex color 3B6E77.

# 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**  
3B6E77

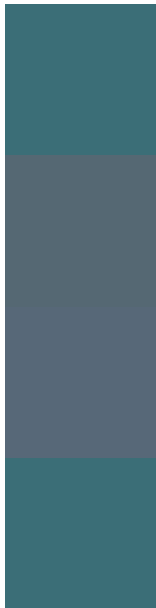
**Protanopia**  
646571

**Deuteranopia**  
676479



**Tritanopia**  
3B6E77

# Trichromacy



**Original Color**  
3B6E77

**Protanomaly**  
556873

**Deuteranomaly**  
576878

**Tritanomaly**  
3B6E77

# Monochromacy



**Original Color**  
3B6E77

**Achromatopsia**  
606060

**Achromatomaly**  
536568

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B6E77 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 #3B6E77 looks like.

```
.text, #text, p{  
    color:#3B6E77  
}
```

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 #3B6E77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B6E77  
}
```

## Border

The CSS property to change the border of an element to Hex 3B6E77 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  
#3B6E77 }
```

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

```
.border{ border-color:#3B6E77 }
```

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

Here you see how a box with a 4 pixel #3B6E77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B6E77; -webkit-box-shadow:4px 4px  
4px 4px #3B6E77; box-shadow:4px 4px 4px  
4px #3B6E77 }
```

# Background

The CSS property to change the background color of an element to Hex 3B6E77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B6E77 }
```

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

```
.background{ background-color:#3B6E77 }
```

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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