

# Converting Colors

Hex(3B6781)

Have a look what the booklet for  
Hex(3B6781) contains.

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# Color

**Hex(3B6781)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B6781
RGB	59, 103, 129
RGB Percent	23%, 40%, 51%
CMY	0.7686, 0.5961, 0.4941
CMYK	0.54, 0.20, 0.00, 0.49
HSL	202°, 37%, 37%
HSV	202°, 54%, 51%
XYZ	10.6163, 12.2153, 22.5671
YIQ	92.8080, -34.5700, -1.2420

# Conversions

## Conversions Part 2

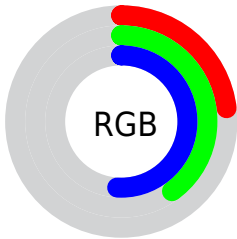
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 86, 129
Decimal	3893121
CIELab	41.56, -7.29, -19.12
CIElCh	42, 20.467, 249.129
Yxy	12.2153, 0.2338, 0.2691
Android (android.graphics.Color)	4282083201 (0xFF3B6781)
YUV	92.8080, 17.8427, -29.6496
Hunter-Lab	34.9504, -6.9430, -13.8177

# Details

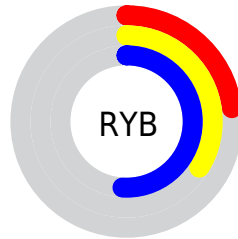
The Hex color **3B6781** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **81553B**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **6F9AB6**, and **003850** is the 20% darker color. If you saturate the color by 10%, you get **2E6281**, and if you desaturate by 10%, it is **486C81**.

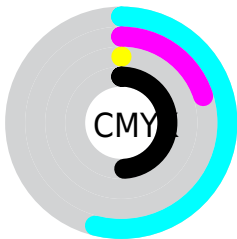
# Distribution



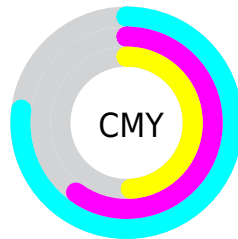
- Red (23%)
- Green (40%)
- Blue (51%)



- Red (23%)
- Yellow (34%)
- Blue (51%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)



- Cyan (77%)
- Magenta (60%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B6781 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 3B6781 by changing the saturation by 10% instead.



■ 3B6781

■ 3B6781

FFFFFF

■ 204F68

■ 6F9AB6

■ 003850

■ 8AB5D2

■ 002339

■ A5D0EE

■ 000D23

■ C1EDFF

■ 00000B

■ DEFFFF

■ 000000

■ FBFFFF

■ 3B6781

■ 3B6781

■ 2E6281

■ 486C81

■ 215D81

■ 557181

■ 145981

■ 627581

■ 075481

■ 6F7A81

■ 005181

■ 7C7F81

■ 888481

■ 958981

■ A28D81

■ AF9281

# Harmonies

## Analogous

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



2C6A77



3B6781



546283

# Triad

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



3B6781



83555D



566748

# Complementary

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



3B6781



81553B

# 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.



696341



3B6781



82584E

# Square

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



3B6781



7C576E



785D43



426A56

# Rectangle

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



3B6781



645E7F



785D43



5D6644



# Sweetspot

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



3B6781



8D9EA8



3B8155



444E54



D4D4D4



545454



# Same Dimension

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



3B6781



3B80A8



3B4481



393D40



005080



000000



# Inverse Universe

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



813B67



A83B80



81783B



40393D



800050



000000



# Previews

## White Background



This preview shows how the Hex color 3B6781 looks on a white background.

## Color Contrast Check

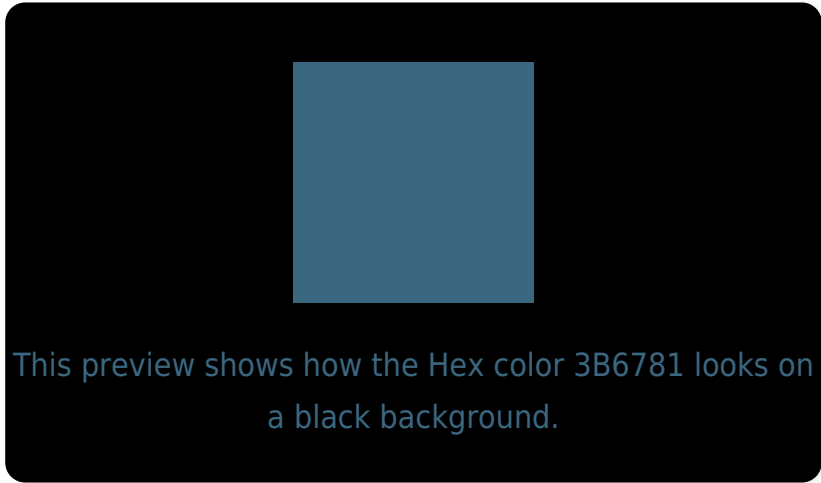
Large Text (above 18pt) WCAG AA ✓ Pass

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

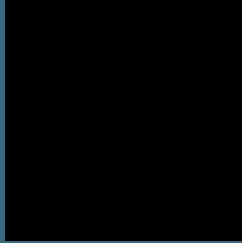
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B6781 Background



This preview shows how black text looks on a background with the Hex color 3B6781.

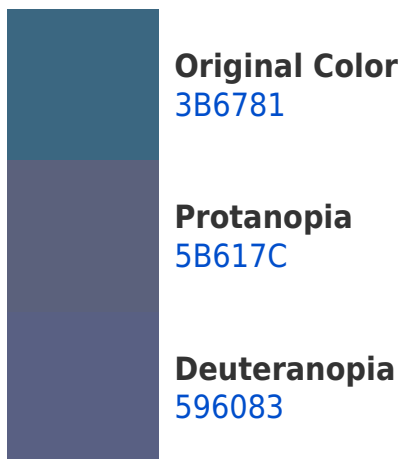



This preview shows how white text looks on a background with the Hex color 3B6781.

# 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](#).

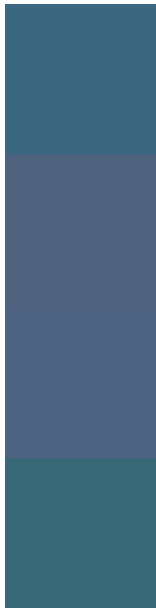
## Dichromacy





**Tritanopia**  
366A72

# Trichromacy



**Original Color**  
3B6781

**Protanomaly**  
4F637E

**Deuteranomaly**  
4E6382

**Tritanomaly**  
386977

# Monochromacy



**Original Color**  
3B6781

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
51616A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B6781 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 #3B6781 looks like.

```
.text, #text, p{  
    color:#3B6781  
}
```

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 #3B6781 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B6781
}
```

## Border

The CSS property to change the border of an element to Hex 3B6781 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
#3B6781 }
```

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

```
.border{ border-color:#3B6781 }
```

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

Here you see how a box with a 4 pixel #3B6781 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B6781; -webkit-box-shadow:4px 4px  
4px 4px #3B6781; box-shadow:4px 4px 4px  
4px #3B6781 }
```

# Background

The CSS property to change the background color of an element to Hex 3B6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B6781 }
```

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

```
.background{ background-color:#3B6781 }
```

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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