

# Converting Colors

Hex(00737B)

Have a look what the booklet for  
Hex(00737B) contains.

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# Color

**Hex(00737B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00737B
RGB	0, 115, 123
RGB Percent	0%, 45%, 48%
CMY	1.0000, 0.5490, 0.5176
CMYK	1.00, 0.07, 0.00, 0.52
HSL	184°, 100%, 24%
HSV	184°, 100%, 48%
XYZ	9.7059, 13.6915, 20.8701
YIQ	81.5270, -71.1080, -21.8920

# Conversions

## Conversions Part 2

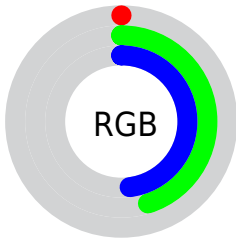
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 59, 123
Decimal	29563
CIELab	43.79, -24.00, -12.23
CIELCh	44, 26.936, 207.010
Yxy	13.6915, 0.2193, 0.3093
Android (android.graphics.Color)	4278219643 (0xFF00737B)
YUV	81.5270, 20.4462, -71.4992
Hunter-Lab	37.0021, -17.9319, -7.5396

# Details

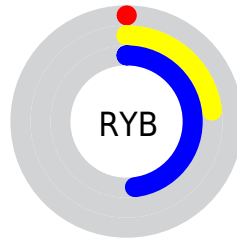
The Hex color **00737B** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7B0800**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **4FA7AF**, and **00424A** is the 20% darker color. If you saturate the color by 10%, you get **00737B**, and if you desaturate by 10%, it is **0C747B**.

# Distribution



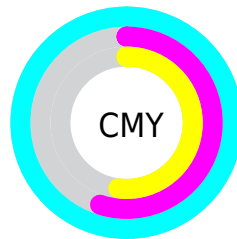
- Red (0%)
- Green (45%)
- Blue (48%)



- Red (0%)
- Yellow (23%)
- Blue (48%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (55%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00737B 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 00737B by changing the saturation by 10% instead.



00737B

00737B

FFFFFF

005A62

4FA7AF

00424A

6CC3CB

002C34

88DFE7

00171F

A5FBFF

000004

C2FFFF

000000

DFFFFF


FDFFFF

00737B

 0C747B

 19757B

 25757B

 31767B

 3E777B

 4A787B

 56797B

 62797B

 6F7A7B

# Harmonies

## Analogous

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



287364



00737B



17708C

# Triad

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



00737B



825B80



78653B

# Complementary

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



00737B



7B0800

# 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.



895E43



00737B



90566B

# Square

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



00737B



67638F



925754



616C3F

# Rectangle

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



00737B



356D93



925754



7F633C



# Sweetspot

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



00737B



709EA1



007B06



345052



D1D1D1



525252



# Same Dimension

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



00737B



0096A1



00377B



373D3D



00757D



00ECFC



# Inverse Universe

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



7B0073



A10096



7B4400



3D373D



7D0075



FC00EC



# Previews

## White Background



This preview shows how the Hex color 00737B looks on a white background.

## Color Contrast Check

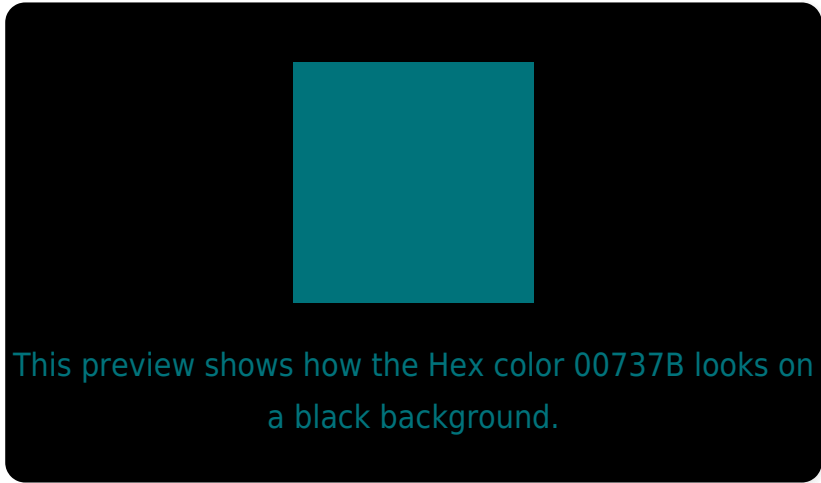
Large Text (above 18pt) WCAG AA ✓ Pass

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

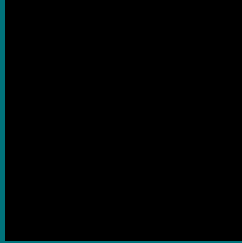
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00737B Background



This preview shows how black text looks on a background with the Hex color 00737B.

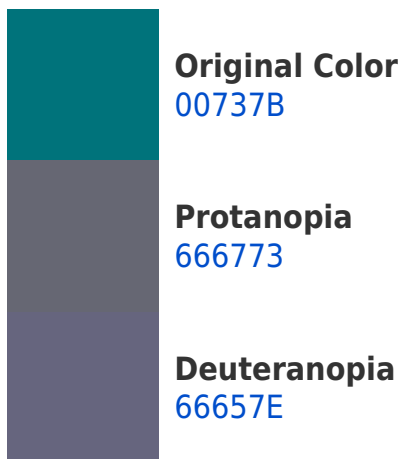


This preview shows how white text looks on a background with the Hex color 00737B.

# 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](#).

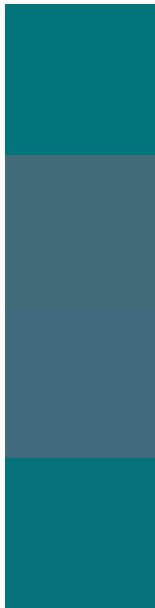
## Dichromacy





**Tritanopia**  
09737C

# Trichromacy



**Original Color**  
00737B

**Protanomaly**  
416B76

**Deuteranomaly**  
416A7D

**Tritanomaly**  
06737C

# Monochromacy



**Original Color**  
00737B

**Achromatopsia**  
525252

**Achromatomaly**  
345E61

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00737B 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 #00737B looks like.

```
.text, #text, p{  
    color:#00737B  
}
```

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 #00737B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00737B
}
```

## Border

The CSS property to change the border of an element to Hex 00737B 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
#00737B }
```

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

```
.border{ border-color:#00737B }
```

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

Here you see how a box with a 4 pixel #00737B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00737B; -webkit-box-shadow:4px 4px  
4px 4px #00737B; box-shadow:4px 4px 4px  
4px #00737B }
```

# Background

The CSS property to change the background color of an element to Hex 00737B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00737B }
```

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

```
.background{ background-color:#00737B }
```

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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