

# Converting Colors

Hex(37687C)

Have a look what the booklet for  
Hex(37687C) contains.

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# Color

Hex(37687C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	37687C
RGB	55, 104, 124
RGB Percent	22%, 41%, 49%
CMY	0.7843, 0.5922, 0.5137
CMYK	0.56, 0.16, 0.00, 0.51
HSL	197°, 39%, 35%
HSV	197°, 56%, 49%
XYZ	10.1640, 12.1681, 20.8818
YIQ	91.6290, -35.6240, -4.1680

# Conversions

## Conversions Part 2

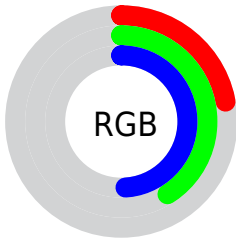
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 84, 124
Decimal	3631228
CIELab	41.48, -10.44, -16.23
CIElCh	41, 19.298, 237.243
Yxy	12.1681, 0.2352, 0.2816
Android (android.graphics.Color)	4281821308 (0xFF37687C)
YUV	91.6290, 15.9589, -32.1236
Hunter-Lab	34.8828, -9.0345, -11.0746

# Details

The Hex color **37687C** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7C4B37**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **6B9BB1**, and **00394B** is the 20% darker color. If you saturate the color by 10%, you get **2B647C**, and if you desaturate by 10%, it is **436C7C**.

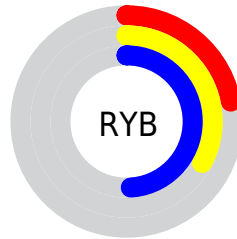
# Distribution



Red (22%)

Green (41%)

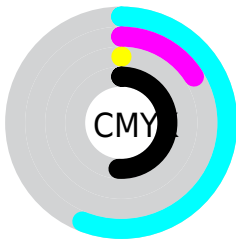
Blue (49%)



Red (22%)

Yellow (33%)

Blue (49%)

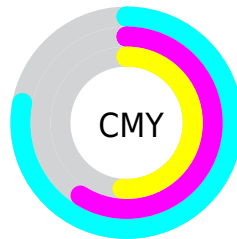


Cyan (56%)

Magenta (16%)

Yellow (0%)

Black (51%)



Cyan (78%)

Magenta (59%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37687C 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 37687C by changing the saturation by 10% instead.



■ 37687C

■ 37687C

FFFFFF

■ 1B5063

■ 6B9BB1

■ 00394B

■ 86B6CC

■ 002334

■ A1D2E8

■ 000C1F

■ BDEEFF

■ 000004

■ DAFFFF

■ 000000

■ F7FFFF

■ 37687C

■ 37687C

■ 2B647C

■ 436C7C

■ 1E617C

■ 506F7C

■ 125D7C

■ 5C737C

■ 055A7C

■ 69767C

■ 00587C

■ 757A7C

■ 817E7C

■ 8E817C

■ 9A857C

■ A7887C

# Harmonies

## Analogous

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



306A70



37687C



4B6481

# Triad

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



37687C



805664



5E6545

# Complementary

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



37687C



7C4B37

# 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.



6F6042



37687C



815754

# Square

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



37687C



755973



7B5B48



4C6950

# Rectangle

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



37687C



5B6080



7B5B48



646443



# Sweetspot

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



37687C



8599A1



377C4B



414D52



D1D1D1



525252



# Same Dimension

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



37687C



3581A1



37467C



373B3D



00597D



00B3FC



# Inverse Universe

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



7C3768



A13581



7C6D37



3D373B



7D0059

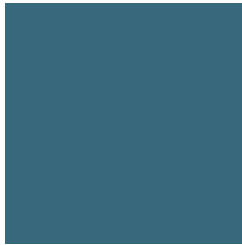


FC00B3



# Previews

## White Background



This preview shows how the Hex color 37687C looks on a white background.

## Color Contrast Check

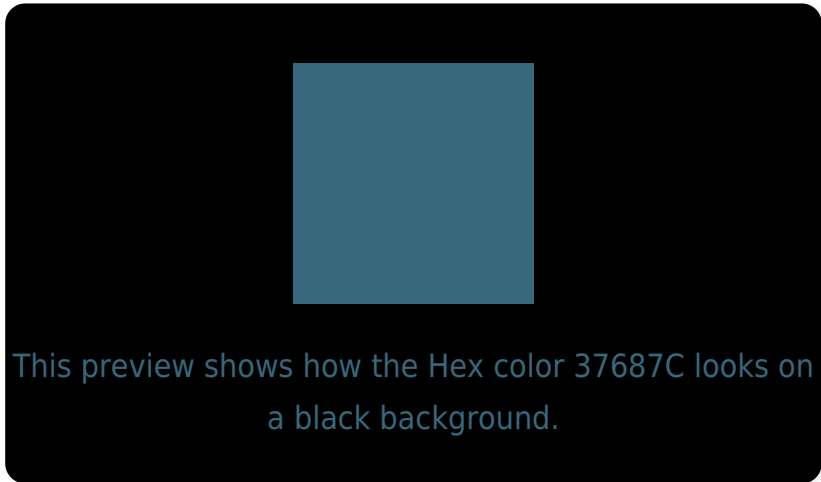
Large Text (above 18pt) WCAG AA ✓ Pass

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

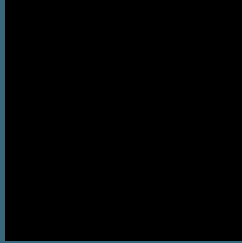
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 37687C Background



This preview shows how black text looks on a background with the Hex color 37687C.



This preview shows how white text looks on a background with the Hex color 37687C.

# 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](#).

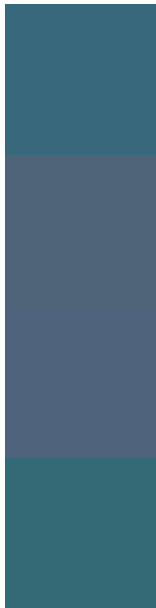
## Dichromacy





**Tritanopia**  
336A72

# Trichromacy



**Original Color**  
37687C

**Protanomaly**  
4F6479

**Deuteranomaly**  
4F637D

**Tritanomaly**  
346976

# Monochromacy



**Original Color**  
37687C

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
4F6068

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37687C 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 #37687C looks like.

```
.text, #text, p{  
    color:#37687C  
}
```

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 #37687C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37687C  
}
```

## Border

The CSS property to change the border of an element to Hex 37687C is called "border". The border property can be set on classes, ids or directly on the HTML element.

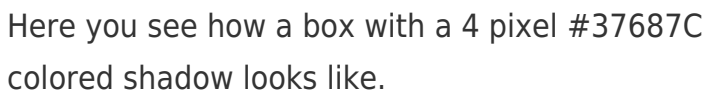
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#37687C }
```

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

```
.border{ border-color:#37687C }
```

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



Here you see how a box with a 4 pixel #37687C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37687C; -webkit-box-shadow:4px 4px  
4px 4px #37687C; box-shadow:4px 4px 4px  
4px #37687C }
```

# Background

The CSS property to change the background color of an element to Hex 37687C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37687C }
```

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

```
.background{ background-color:#37687C }
```

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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