

# Converting Colors

Hex(417C75)

Have a look what the booklet for  
Hex(417C75) contains.

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# Color

Hex(417C75)

# Conversions

## Conversions Part 1

Format	Color
Hex	417C75
RGB	65, 124, 117
RGB Percent	25%, 49%, 46%
CMY	0.7451, 0.5137, 0.5412
CMYK	0.48, 0.00, 0.06, 0.51
HSL	173°, 31%, 37%
HSV	173°, 48%, 49%
XYZ	12.5985, 16.8235, 19.4129
YIQ	105.5610, -32.9170, -14.6850

# Conversions

## Conversions Part 2

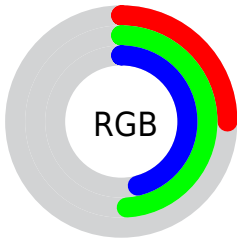
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 96, 124
Decimal	4291701
CIELab	48.04, -21.09, -2.16
CIElCh	48, 21.195, 185.842
Yxy	16.8235, 0.2580, 0.3445
Android (android.graphics.Color)	4282481781 (0xFF417C75)
YUV	105.5610, 5.6394, -35.5720
Hunter-Lab	41.0164, -16.9511, 0.6498

# Details

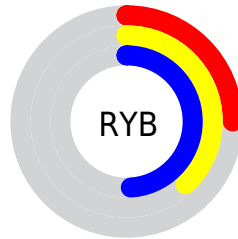
The Hex color **417C75** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7C4148**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **75B1A9**, and **064B45** is the 20% darker color. If you saturate the color by 10%, you get **357C74**, and if you desaturate by 10%, it is **4D7C76**.

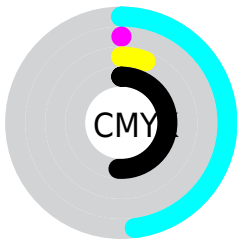
# Distribution



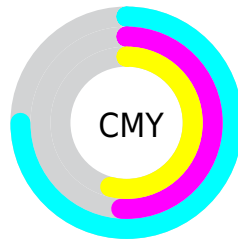
- Red (25%)
- Green (49%)
- Blue (46%)



- Red (25%)
- Yellow (38%)
- Blue (49%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)



- Cyan (75%)
- Magenta (51%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 417C75 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 417C75 by changing the saturation by 10% instead.



■ 417C75

■ 417C75

FFFFFF

■ 27635C

■ 75B1A9

■ 064B45

■ 90CCC4

■ 00342F

■ ABE9E0

■ 001F1A

■ C7FFFD

■ 000000

■ E4FFFF

■ 417C75

■ 417C75

■ 357C74

■ 4D7C76

■ 287C72

■ 5A7C78

■ 1C7C71

■ 667C79

■ 0F7C6F

■ 737C7B

■ 037C6E

■ 7F7C7C

■ 007C6D

■ 8B7C7E

■ 987C7F

■ A47C81

■ B17C82

# Harmonies

## Analogous

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



537B63



417C75



3A7B86

# Triad

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



417C75



796C8F



8B6C52

# Complementary

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



417C75



7C4148

# 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.



95675E



417C75



8C6781

# Square

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



417C75



607295



95656F



7B724E

# Rectangle

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



417C75



41798F



95656F



8F6A55



# Sweetspot

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



417C75



8AA19E



497C41



445250



D1D1D1



525252



# Same Dimension

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



417C75



45A196



41667C



373D3C



007D6E



00FCDE



# Inverse Universe

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



7C4148



A14550



7C5741



3D3738



7D000F

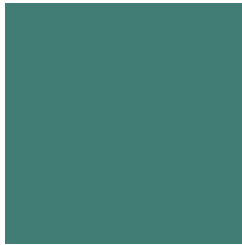


FC001E



# Previews

## White Background



This preview shows how the Hex color 417C75 looks on a white background.

## Color Contrast Check

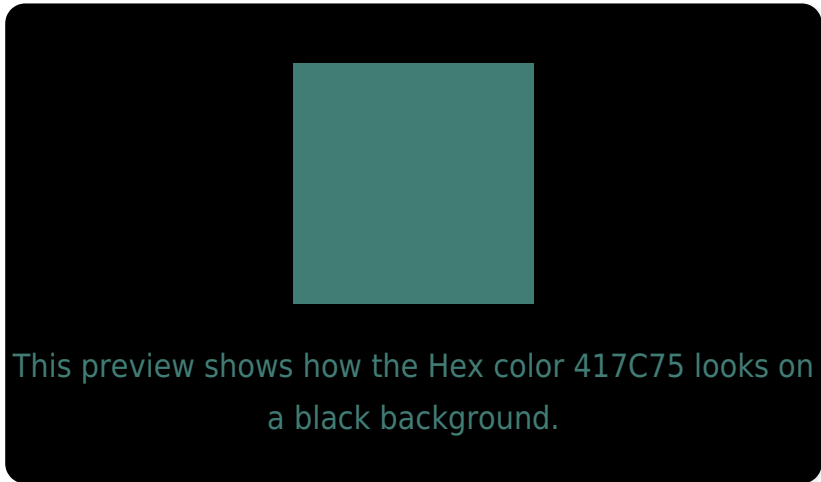
Large Text (above 18pt) WCAG AA ✓ Pass

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

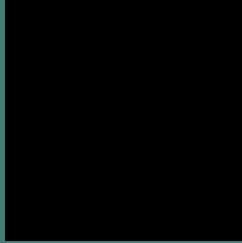
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 417C75 Background



This preview shows how black text looks on a background with the Hex color 417C75.




This preview shows how white text looks on a background with the Hex color 417C75.

# 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](#).

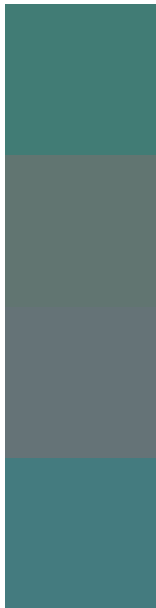
## Dichromacy





**Tritanopia**  
457A84

# Trichromacy



**Original Color**  
417C75

**Protanomaly**  
617571

**Deuteranomaly**  
657377

**Tritanomaly**  
447B7F

# Monochromacy



**Original Color**  
417C75

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
5B716E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 417C75 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 #417C75 looks like.

```
.text, #text, p{  
    color:#417C75  
}
```

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 #417C75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #417C75  
}
```

## Border

The CSS property to change the border of an element to Hex 417C75 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  
#417C75 }
```

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

```
.border{ border-color:#417C75 }
```

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

Here you see how a box with a 4 pixel #417C75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #417C75; -webkit-box-shadow:4px 4px  
4px 4px #417C75; box-shadow:4px 4px 4px  
4px #417C75 }
```

# Background

The CSS property to change the background color of an element to Hex 417C75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#417C75 }
```

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

```
.background{ background-color:#417C75 }
```

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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