

# Converting Colors

Hex(46697A)

Have a look what the booklet for  
Hex(46697A) contains.

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# Color

**Hex(46697A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46697A
RGB	70, 105, 122
RGB Percent	27%, 41%, 48%
CMY	0.7255, 0.5882, 0.5216
CMYK	0.43, 0.14, 0.00, 0.52
HSL	200°, 27%, 38%
HSV	200°, 43%, 48%
XYZ	11.0902, 12.8104, 20.3005
YIQ	96.4730, -26.3170, -2.1330

# Conversions

## Conversions Part 2

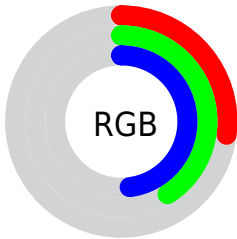
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 91, 122
Decimal	4614522
CIE <sub>Lab</sub>	42.48, -7.73, -13.44
CIE <sub>LCh</sub>	42, 15.498, 240.099
Yxy	12.8104, 0.2509, 0.2898
Android (android.graphics.Color)	4282804602 (0xFF46697A)
YUV	96.4730, 12.5848, -23.2168
Hunter-Lab	35.7916, -7.3261, -8.5743

# Details

The Hex color **46697A** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7A5746**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **799CAE**, and **143A49** is the 20% darker color. If you saturate the color by 10%, you get **3A657A**, and if you desaturate by 10%, it is **526D7A**.

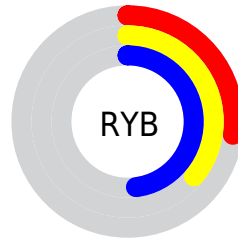
# Distribution



Red (27%)

Green (41%)

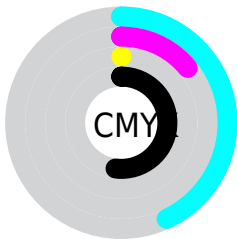
Blue (48%)



Red (27%)

Yellow (36%)

Blue (48%)

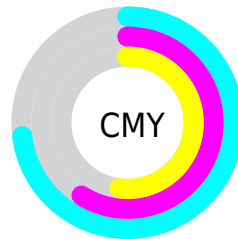


Cyan (43%)

Magenta (14%)

Yellow (0%)

Black (52%)



Cyan (73%)

Magenta (59%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46697A 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 46697A by changing the saturation by 10% instead.



■ 46697A

■ 46697A

FFFFFF

■ 2D5161

■ 799CAE

■ 143A49

■ 93B7CA

■ 002433

■ AED3E6

■ 000F1E

■ CAEFFF

■ 000001

■ E7FFFF

■ 000000

■ 46697A

■ 46697A

■ 3A657A

■ 526D7A

■ 2E617A

■ 5E717A

■ 215D7A

■ 6B757A

■ 15597A

■ 77797A

■ 09557A

■ 837D7A

■ 00527A

■ 8F817A

■ 9B857A

■ A8897A

■ B48D7A

# Harmonies

## Analogous

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



406B71



46697A



55657E

# Triad

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



46697A



7D5B65



60674E

# Complementary

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



46697A



7A5746

# 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.



6E634B



46697A



7E5C58

# Square

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



46697A



755D71



795F4F



516A57

# Rectangle

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



46697A



61627C



795F4F



65664C



# Sweetspot

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



46697A



8A979E



467A56



424B4F



CFCFCF



4F4F4F



# Same Dimension

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



46697A



4D849E



46507A



373B3D



00547D



00AAFC



# Inverse Universe

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



7A4669



9E4D84



7A7046



3D373B



7D0054



FC00AA



# Previews

## White Background



This preview shows how the Hex color 46697A looks on a white background.

## Color Contrast Check

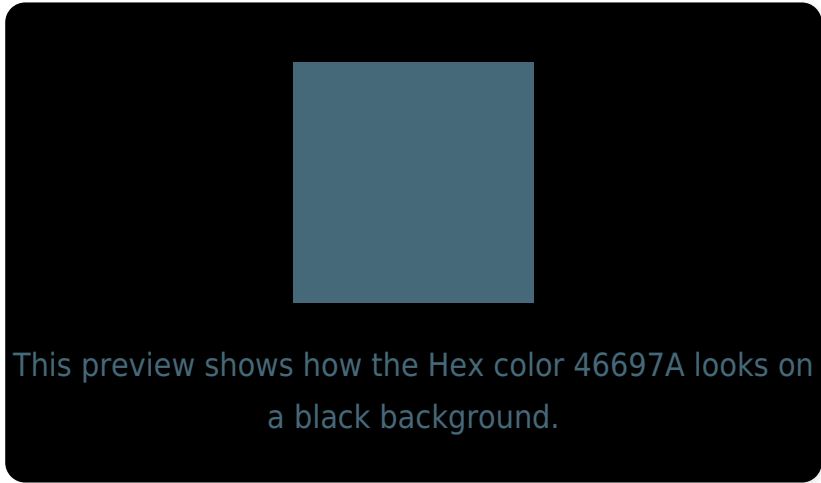
Large Text (above 18pt) WCAG AA ✓ Pass

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

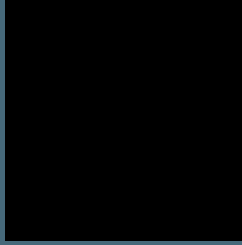
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46697A Background



This preview shows how black text looks on a background with the Hex color 46697A.

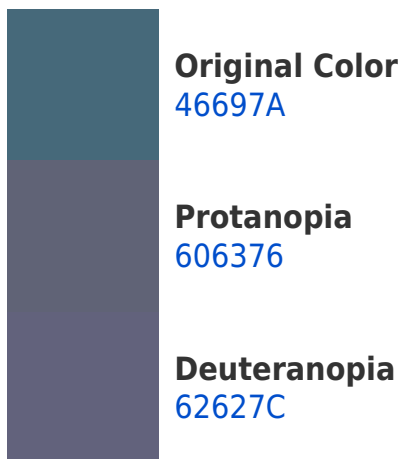



This preview shows how white text looks on a background with the Hex color 46697A.

# 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**  
446A73

# Trichromacy



**Original Color**  
46697A

**Protanomaly**  
576577

**Deuteranomaly**  
58657B

**Tritanomaly**  
456A76

# Monochromacy



**Original Color**  
46697A

**Achromatopsia**  
606060

**Achromatomaly**  
576369

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46697A 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 #46697A looks like.

```
.text, #text, p{  
    color:#46697A  
}
```

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 #46697A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46697A
}
```

## Border

The CSS property to change the border of an element to Hex 46697A 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
#46697A }
```

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

```
.border{ border-color:#46697A }
```

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

Here you see how a box with a 4 pixel #46697A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46697A; -webkit-box-shadow:4px 4px  
4px 4px #46697A; box-shadow:4px 4px 4px  
4px #46697A }
```

# Background

The CSS property to change the background color of an element to Hex 46697A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46697A }
```

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

```
.background{ background-color:#46697A }
```

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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