

# Converting Colors

Hex(77707A)

Have a look what the booklet for  
Hex(77707A) contains.

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# Color

**Hex(77707A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77707A
RGB	119, 112, 122
RGB Percent	47%, 44%, 48%
CMY	0.5333, 0.5608, 0.5216
CMYK	0.02, 0.08, 0.00, 0.52
HSL	282°, 4%, 46%
HSV	282°, 8%, 48%
XYZ	16.9148, 16.9154, 20.7859
YIQ	115.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

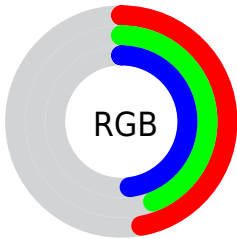
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 112, 122
Decimal	7827578
CIE <sub>Lab</sub>	48.15, 4.72, -4.55
CIE <sub>LCh</sub>	48, 6.555, 316.041
Y <sub>xy</sub>	16.9154, 0.3097, 0.3097
Android (android.graphics.Color)	4286017658 (0xFF77707A)
Y <sub>UV</sub>	115.2330, 3.3361, 3.3037
Hunter-Lab	41.1284, 1.4367, -1.1747

# Details

The Hex color **77707A** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **737A70**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **ABA4AE**, and **474049** is the 20% darker color. If you saturate the color by 10%, you get **73647A**, and if you desaturate by 10%, it is **7B7C7A**.

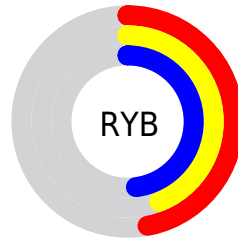
# Distribution



Red (47%)

Green (44%)

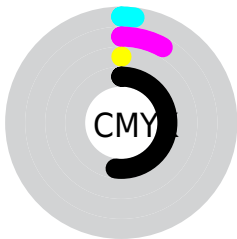
Blue (48%)



Red (47%)

Yellow (44%)

Blue (48%)

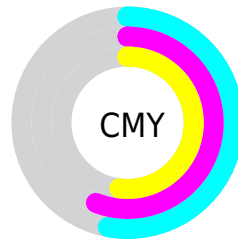


Cyan (2%)

Magenta (8%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (56%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77707A 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 77707A by changing the saturation by 10% instead.



■ 77707A

■ 77707A

FFFFFF

■ 5E5861

■ ABA4AE

■ 474049

■ C6BFCA

■ 302A33

■ E2DBE6

■ 1B161E

■ FFF7FF

■ 000003

■ 000000

■ 77707A

■ 77707A

■ 73647A

■ 7B7C7A

■ 70587A

■ 7E887A

6C4B7A

82957A

683F7A

86A17A

65337A

89AD7A

61277A

8DB97A

5D1B7A

91C57A

5A0E7A

94D27A

56027A

98DE7A

# Harmonies

## Analogous

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



70727D



77707A



7C6F75

# Triad

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



77707A



7A7168



657675

# Complementary

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



77707A



737A70

# 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.



68756F



77707A



747368

# Square

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



77707A



7D6F6B



6D746B



66757A

# Rectangle

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



77707A



7E6F71



6D746B



657673



# Sweetspot

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



77707A



9D9B9E



70737A



4F4D4F



CFCFCF



4F4F4F



# Same Dimension

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



77707A



998E9E



7A7078



3B373D



57007D



B100FC



# Inverse Universe

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



7A7073



9E8E93



707A72



3D3739



7D0025



FC004C



# Previews

## White Background



This preview shows how the Hex color 77707A looks on a white background.

## Color Contrast Check

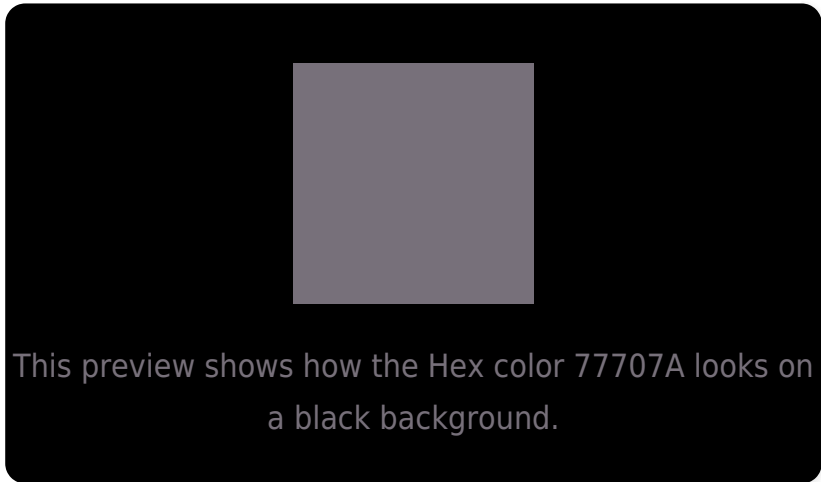
Large Text (above 18pt) WCAG AA ✓ Pass

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

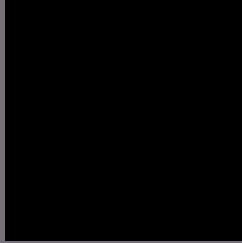
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

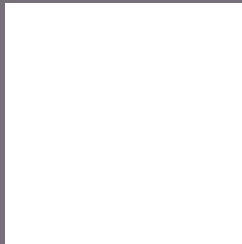
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77707A Background



This preview shows how black text looks on a background with the Hex color 77707A.

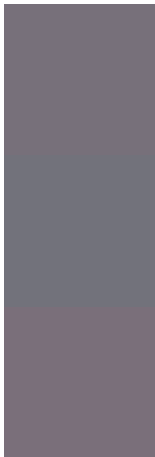


This preview shows how white text looks on a background with the Hex color 77707A.

# 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



**Original Color**

77707A

**Protanopia**

72727B

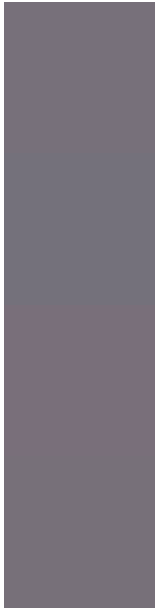
**Deuteranopia**

7A6F7A



**Tritanopia**  
777079

# Trichromacy



**Original Color**

77707A

**Protanomaly**

74717B

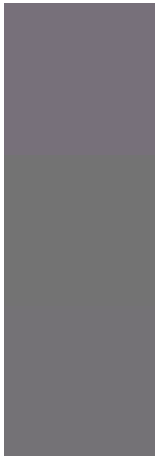
**Deuteranomaly**

796F7A

**Tritanomaly**

777079

# Monochromacy



**Original Color**

77707A

**Achromatopsia**

737373

**Achromatomaly**

747276

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77707A 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 #77707A looks like.

```
.text, #text, p{  
    color:#77707A  
}
```

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 #77707A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77707A
}
```

## Border

The CSS property to change the border of an element to Hex 77707A 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
#77707A }
```

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

```
.border{ border-color:#77707A }
```

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

Here you see how a box with a 4 pixel #77707A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77707A; -webkit-box-shadow:4px 4px  
4px 4px #77707A; box-shadow:4px 4px 4px  
4px #77707A }
```

# Background

The CSS property to change the background color of an element to Hex 77707A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77707A }
```

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

```
.background{ background-color:#77707A }
```

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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