

# Converting Colors

Hex(7587AC)

Have a look what the booklet for  
Hex(7587AC) contains.

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# Color

**Hex(7587AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7587AC
RGB	117, 135, 172
RGB Percent	46%, 53%, 67%
CMY	0.5412, 0.4706, 0.3255
CMYK	0.32, 0.22, 0.00, 0.33
HSL	220°, 25%, 57%
HSV	220°, 32%, 67%
XYZ	23.4465, 24.0884, 42.4435
YIQ	133.8360, -22.6050, 7.6910

# Conversions

## Conversions Part 2

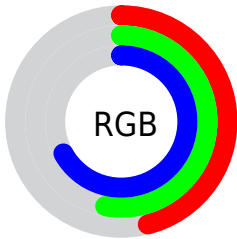
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 131, 172
Decimal	7702444
CIELab	56.18, 2.48, -21.66
CIELCh	56, 21.798, 276.524
Yxy	24.0884, 0.2606, 0.2677
Android (android.graphics.Color)	4285892524 (0xFF7587AC)
YUV	133.8360, 18.8149, -14.7652
Hunter-Lab	49.0799, -0.6168, -16.9170

# Details

The Hex color **7587AC** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **AC9A75**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **AABCE3**, and **435678** is the 20% darker color. If you saturate the color by 10%, you get **647BAC**, and if you desaturate by 10%, it is **8693AC**.

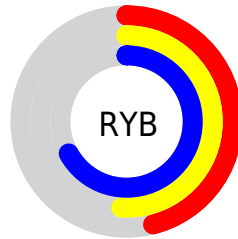
# Distribution



Red (46%)

Green (53%)

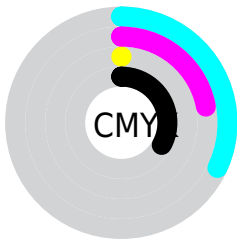
Blue (67%)



Red (46%)

Yellow (51%)

Blue (67%)

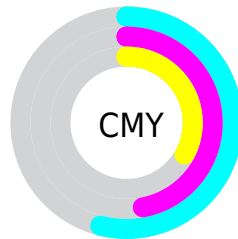


Cyan (32%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (54%)

Magenta (47%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7587AC 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 7587AC by changing the saturation by 10% instead.



■ 7587AC

■ 7587AC

FFFFFF

■ 5B6E91

■ AABCE3

■ 435678

■ C6D8FF

■ 2A3E5F

■ E2F4FF

■ 102947

■ 001430

■ 00011B

■ 000000

■ 7587AC

■ 7587AC

■ 647BAC

■ 8693AC

■ 5370AC

■ 979EAC

■ 4164AC

■ A9AAAC

■ 3059AC

■ BAB5AC

■ 1F4DAC

■ CBC1AC

■ 0E42AC

■ DCCCAC

■ 0038AC

■ EDD8AC

■ FFE4AC

■ FFEFAC

# Harmonies

## Analogous

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



5C8DA9



7587AC



8F80A5

# Triad

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



7587AC



AC7B71



669077

# Complementary

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



7587AC



AC9A75

# 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.



7B8C68



7587AC



A18064

# Square

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



7587AC



AC7983



908761



54918A

# Rectangle

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



7587AC



9D7C9C



908761



6D8F71



# Sweetspot

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



7587AC



CAD1E0



75AC9A



636770



F0F0F0



707070



# Same Dimension

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



7587AC



8BA7E0



7E75AC



4E5157



003196



000817



# Inverse Universe

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



AC7587



E08BA7



A3AC75



574E51



960031

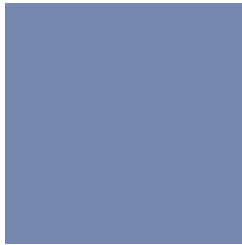


170008



# Previews

## White Background



This preview shows how the Hex color 7587AC looks on a white background.

## Color Contrast Check

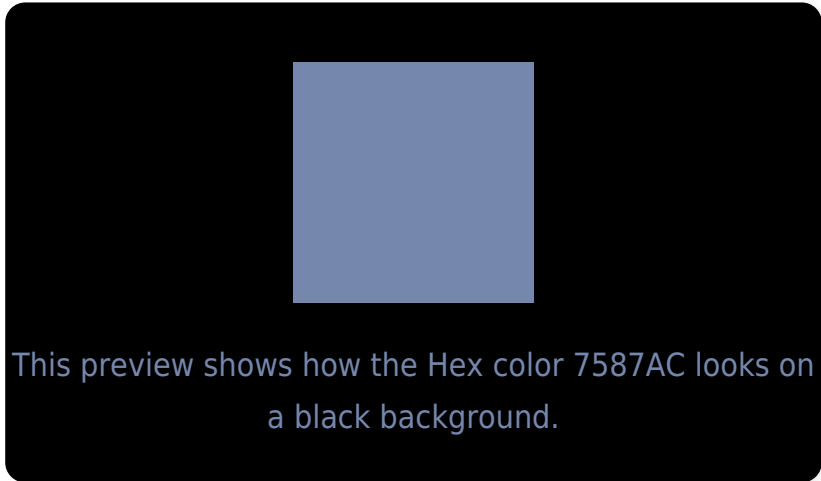
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

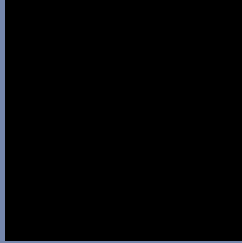
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

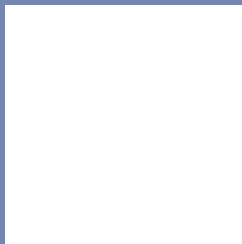
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7587AC Background



This preview shows how black text looks on a background with the Hex color 7587AC.



This preview shows how white text looks on a background with the Hex color 7587AC.

# 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**

7587AC

**Protanopia**

7D85AB

**Deuteranopia**

7F84AD



**Tritanopia**  
708B96

# Trichromacy



**Original Color**  
7587AC

**Protanomaly**  
7A86AB

**Deuteranomaly**  
7B85AD

**Tritanomaly**  
728A9E

# Monochromacy



**Original Color**  
7587AC

**Achromatopsia**  
868686

**Achromatomaly**  
808694

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7587AC 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 #7587AC looks like.

```
.text, #text, p{  
    color:#7587AC  
}
```

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 #7587AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7587AC
}
```

## Border

The CSS property to change the border of an element to Hex 7587AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

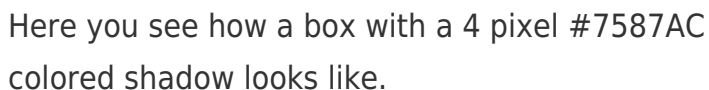
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7587AC }
```

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

```
.border{ border-color:#7587AC }
```

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



Here you see how a box with a 4 pixel #7587AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7587AC; -webkit-box-shadow:4px 4px  
4px 4px #7587AC; box-shadow:4px 4px 4px  
4px #7587AC }
```

# Background

The CSS property to change the background color of an element to Hex 7587AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7587AC }
```

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

```
.background{ background-color:#7587AC }
```

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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