

# Converting Colors

Hex(7687B6)

Have a look what the booklet for  
Hex(7687B6) contains.

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# Color

**Hex(7687B6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7687B6
RGB	118, 135, 182
RGB Percent	46%, 53%, 71%
CMY	0.5373, 0.4706, 0.2863
CMYK	0.35, 0.26, 0.00, 0.29
HSL	224°, 30%, 59%
HSV	224°, 35%, 71%
XYZ	24.5787, 24.5569, 47.7005
YIQ	135.2750, -25.2190, 11.0130

# Conversions

## Conversions Part 2

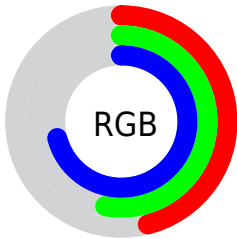
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 131, 182
Decimal	7767990
CIE Lab	56.64, 5.44, -26.65
CIE LCh	57, 27.204, 281.538
Yxy	24.5569, 0.2538, 0.2536
Android (android.graphics.Color)	4285958070 (0xFF7687B6)
YUV	135.2750, 23.0354, -15.1502
Hunter-Lab	49.5549, 1.8129, -22.3828

# Details

The Hex color **7687B6** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **B6A576**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **ACBCEE**, and **435681** is the 20% darker color. If you saturate the color by 10%, you get **647AB6**, and if you desaturate by 10%, it is **8894B6**.

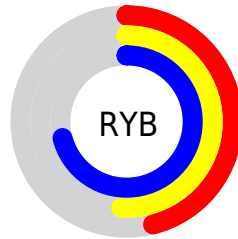
# Distribution



Red (46%)

Green (53%)

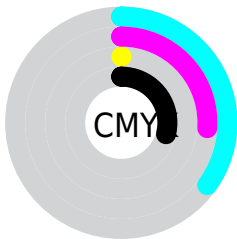
Blue (71%)



Red (46%)

Yellow (51%)

Blue (71%)

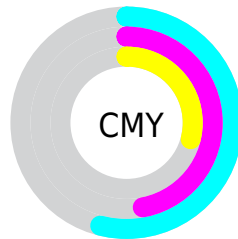


Cyan (35%)

Magenta (26%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (47%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7687B6 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 7687B6 by changing the saturation by 10% instead.



■ 7687B6

■ 7687B6

FFFFFF

■ 5C6E9B

■ ACBCEE

■ 435681

■ C8D8FF

■ 293E68

■ E4F4FF

■ 0D294F

■ 001538

■ 000222

■ 000009

■ 000000

■ 7687B6

■ 7687B6

■ 647AB6

■ 8894B6

■ 526CB6

■ 9AA2B6

■ 3F5FB6

■ ADAFB6

■ 2D52B6

■ BFBCB6

■ 1B44B6

■ D1CAB6

■ 0937B6

■ E3D7B6

■ 0030B6

■ F5E5B6

■ FFF2B6

■ FFFFB6

# Harmonies

## Analogous

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



528EB4



7687B6



977FAB

# Triad

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



7687B6



B37A6A



599478

# Complementary

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



7687B6



B6A576

# 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.



759064



7687B6



A5815B

# Square

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



7687B6



B7767F



8F8959



3F9590

# Rectangle

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



7687B6



A77A9F



8F8959



629371



# Sweetspot

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



7687B6



D3DAED



76B6A5



686C78



F7F7F7



787878



# Same Dimension

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



7687B6



8AA4ED



8576B6



53555C



00299C



00071C



# Inverse Universe

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



B67687



ED8AA4



A7B676



5C5355



9C0029

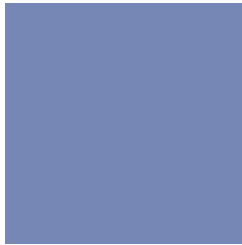


1C0007



# Previews

## White Background



This preview shows how the Hex color 7687B6 looks on a white background.

## Color Contrast Check

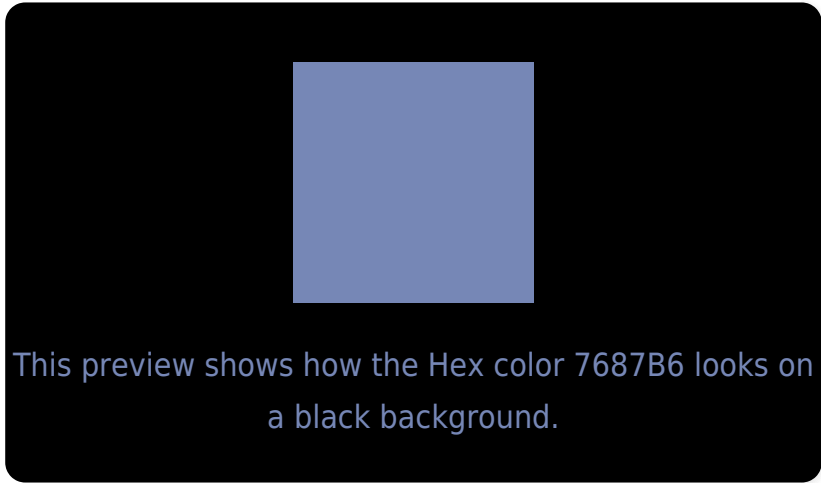
Large Text (above 18pt) WCAG AA ✓ Pass

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

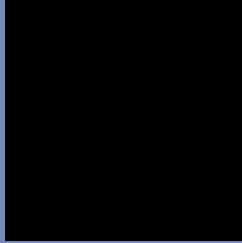
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

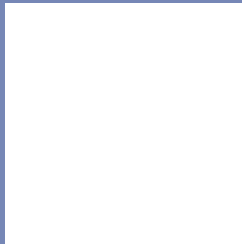
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7687B6 Background



This preview shows how black text looks on a background with the Hex color 7687B6.

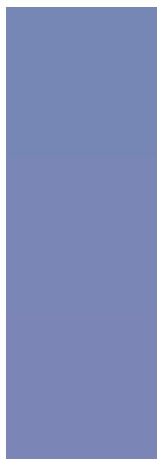


This preview shows how white text looks on a background with the Hex color 7687B6.

# 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**

7687B6

**Protanopia**

7A86B5

**Deuteranopia**

7B86B6



**Tritanopia**  
6F8D98

# Trichromacy



**Original Color**  
7687B6

**Protanomaly**  
7986B5

**Deuteranomaly**  
7986B6

**Tritanomaly**  
728BA3

# Monochromacy



**Original Color**  
7687B6

**Achromatopsia**  
878787

**Achromatomaly**  
818798

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7687B6 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 #7687B6 looks like.

```
.text, #text, p{  
    color:#7687B6  
}
```

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 #7687B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7687B6
}
```

## Border

The CSS property to change the border of an element to Hex 7687B6 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
#7687B6 }
```

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

```
.border{ border-color:#7687B6 }
```

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

Here you see how a box with a 4 pixel #7687B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7687B6; -webkit-box-shadow:4px 4px  
4px 4px #7687B6; box-shadow:4px 4px 4px  
4px #7687B6 }
```

# Background

The CSS property to change the background color of an element to Hex 7687B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7687B6 }
```

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

```
.background{ background-color:#7687B6 }
```

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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