

# Converting Colors

Hex(5687B7)

Have a look what the booklet for  
Hex(5687B7) contains.

<b>Hex(5687B7)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(5687B7)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5687B7
RGB	86, 135, 183
RGB Percent	34%, 53%, 72%
CMY	0.6627, 0.4706, 0.2824
CMYK	0.53, 0.26, 0.00, 0.28
HSL	210°, 40%, 53%
HSV	210°, 53%, 72%
XYZ	21.0490, 22.7253, 48.0768
YIQ	125.8210, -44.6120, 4.5400

# Conversions

## Conversions Part 2

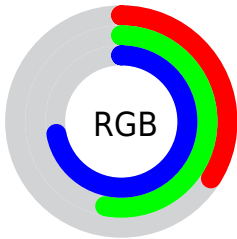
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 119, 183
Decimal	5670839
CIE Lab	54.79, -2.62, -30.25
CIE LCh	55, 30.360, 265.058
Yxy	22.7253, 0.2292, 0.2474
Android (android.graphics.Color)	4283860919 (0xFF5687B7)
YUV	125.8210, 28.1892, -34.9230
Hunter-Lab	47.6710, -4.6083, -26.4249

# Details

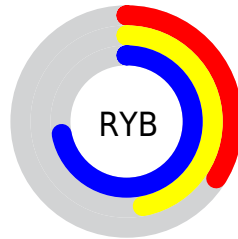
The Hex color **5687B7** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B78656**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **8DBCEF**, and **185682** is the 20% darker color. If you saturate the color by 10%, you get **447EB7**, and if you desaturate by 10%, it is **6890B7**.

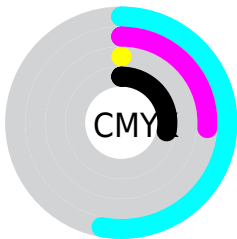
# Distribution



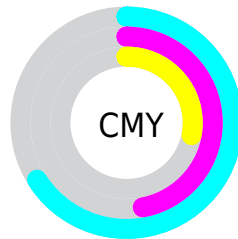
- Red (34%)
- Green (53%)
- Blue (72%)



- Red (34%)
- Yellow (47%)
- Blue (72%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)



- Cyan (66%)
- Magenta (47%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5687B7 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 5687B7 by changing the saturation by 10% instead.



■ 5687B7

■ 5687B7

FFFFFF

■ 3A6E9C

■ 8DBCEF

■ 185682

■ AAD8FF

■ 003F68

■ C6F4FF

■ 002950

■ E3FFFF

■ 001539

■ 000223

■ 00000A

■ 000000

■ 5687B7

■ 5687B7

■ 447EB7

■ 6890B7

■ 3175B7

■ 7B99B7

■ 1F6CB7

■ 8DA2B7

■ 0D63B7

■ 9FABB7

■ 005CB7

■ B2B4B7

■ C4BDB7

■ D6C6B7

■ E8CFB7

■ FBD9B7

# Harmonies

## Analogous

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



298EAD



5687B7



807EB3

# Triad

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



5687B7



B6706E



5F8E64

# Complementary

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



5687B7



B78656

# 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.



7E8853



5687B7



AC7759

# Square

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



5687B7



B36F89



99804F



3D917E

# Rectangle

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



5687B7



9778A8



99804F



6A8C5D



# Sweetspot

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



5687B7



C7DAED



56B785



616D78



F7F7F7



787878



# Same Dimension

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



5687B7



55A2ED



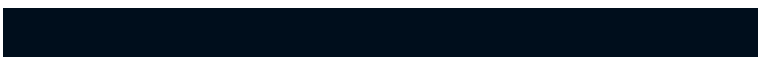
5658B7



53575C



004F9C



000E1C



# Inverse Universe

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



B75687



ED55A2



B7B556



5C5357



9C004F



1C000E



# Previews

## White Background



This preview shows how the Hex color 5687B7 looks on a white background.

## Color Contrast Check

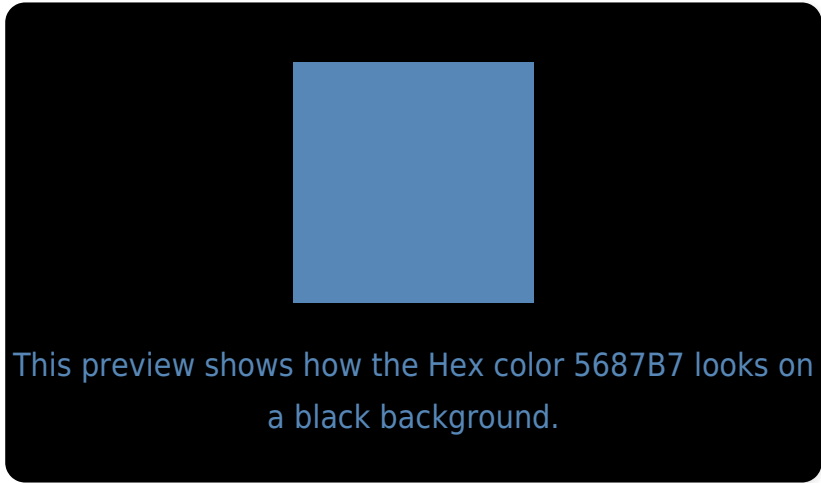
Large Text (above 18pt) WCAG AA ✓ Pass

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

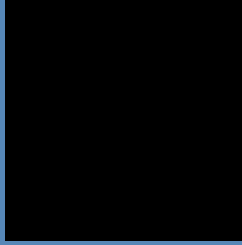
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

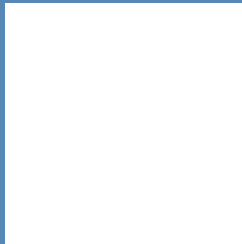
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5687B7 Background



This preview shows how black text looks on a background with the Hex color 5687B7.



This preview shows how white text looks on a background with the Hex color 5687B7.

# 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](#).

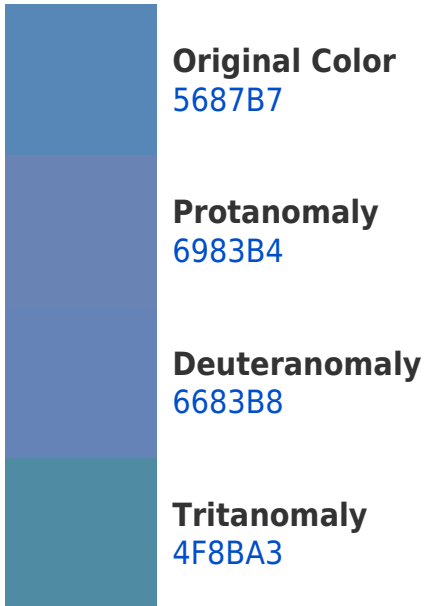
## Dichromacy



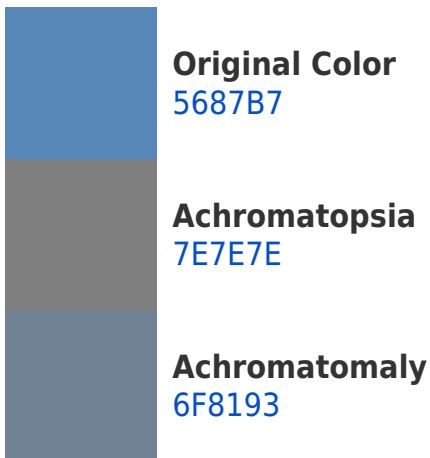


**Tritanopia**  
4B8D98

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5687B7 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 #5687B7 looks like.

```
.text, #text, p{  
    color:#5687B7  
}
```

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 #5687B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5687B7
}
```

## Border

The CSS property to change the border of an element to Hex 5687B7 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
#5687B7 }
```

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

```
.border{ border-color:#5687B7 }
```

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

Here you see how a box with a 4 pixel #5687B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5687B7; -webkit-box-shadow:4px 4px  
4px 4px #5687B7; box-shadow:4px 4px 4px  
4px #5687B7 }
```

# Background

The CSS property to change the background color of an element to Hex 5687B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5687B7 }
```

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

```
.background{ background-color:#5687B7 }
```

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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