

# Converting Colors

Hex(5780A6)

Have a look what the booklet for  
Hex(5780A6) contains.

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# Color

**Hex(5780A6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5780A6
RGB	87, 128, 166
RGB Percent	34%, 50%, 65%
CMY	0.6588, 0.4980, 0.3490
CMYK	0.48, 0.23, 0.00, 0.35
HSL	209°, 31%, 50%
HSV	209°, 48%, 65%
XYZ	18.5326, 20.2178, 39.0020
YIQ	120.0730, -36.6340, 3.1260

# Conversions

## Conversions Part 2

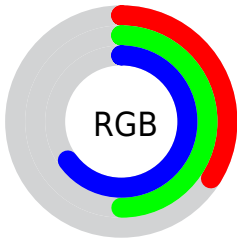
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 114, 166
Decimal	5734566
CIE Lab	52.08, -3.52, -24.65
CIE LCh	52, 24.905, 261.868
Yxy	20.2178, 0.2384, 0.2600
Android (android.graphics.Color)	4283924646 (0xFF5780A6)
YUV	120.0730, 22.6420, -29.0050
Hunter-Lab	44.9642, -5.1161, -19.9534

# Details

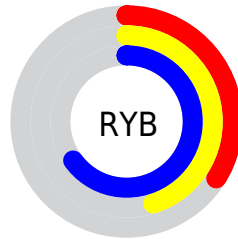
The Hex color **5780A6** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **A67D57**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **8DB5DD**, and **204F72** is the 20% darker color. If you saturate the color by 10%, you get **4678A6**, and if you desaturate by 10%, it is **6888A6**.

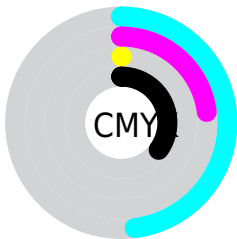
# Distribution



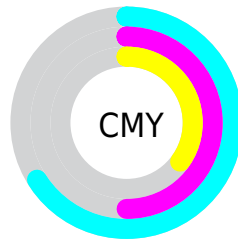
- Red (34%)
- Green (50%)
- Blue (65%)



- Red (34%)
- Yellow (45%)
- Blue (65%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (66%)
- Magenta (50%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5780A6 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 5780A6 by changing the saturation by 10% instead.



■ 5780A6

■ 5780A6

FFFFFF

■ 3C678C

■ 8DB5DD

■ 204F72

■ A8D0FA

■ 003859

■ C4ECFF

■ 002342

■ E1FFFF

■ 000D2B

FEFFFF

■ 000116

■ 000000

■ 5780A6

■ 5780A6

■ 4678A6

■ 6888A6

■ 3670A6

■ 7890A6

■ 2568A6

■ 8998A6

■ 1560A6

■ 99A0A6

■ 0458A6

■ AAA8A6

■ 0056A6

■ BBB0A6

■ CBB8A6

■ DCC0A6

■ ECC8A6

# Harmonies

## Analogous

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



3C859D



5780A6



7779A4

# Triad

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



5780A6



A76D6D



628561

# Complementary

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



5780A6



A67D57

# 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.



7B8054



5780A6



A0725B

# Square

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



5780A6



A26D83



907952



4A8875

# Rectangle

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



5780A6



8A749C



907952



6B835C



# Sweetspot

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



5780A6



BACAD9



57A67C



5B656E



EDEDED



6E6E6E



# Same Dimension

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



5780A6



5D9DD9



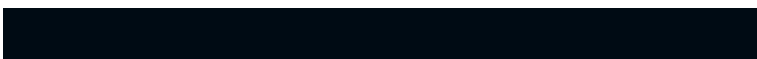
575AA6



4C5054



004D94



000B14



# Inverse Universe

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



A65780



D95D9D



A6A357



544C50



94004D



14000B



# Previews

## White Background



This preview shows how the Hex color 5780A6 looks on a white background.

## Color Contrast Check

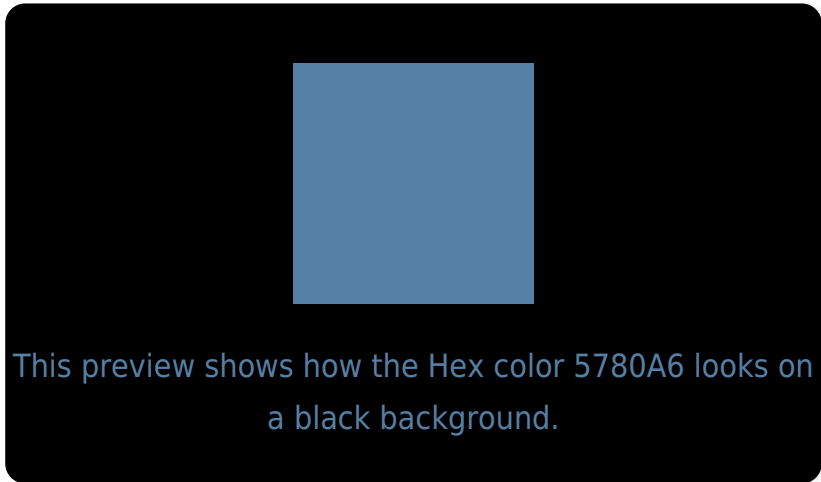
Large Text (above 18pt) WCAG AA ✓ Pass

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 5780A6 Background



This preview shows how black text looks on a background with the Hex color 5780A6.

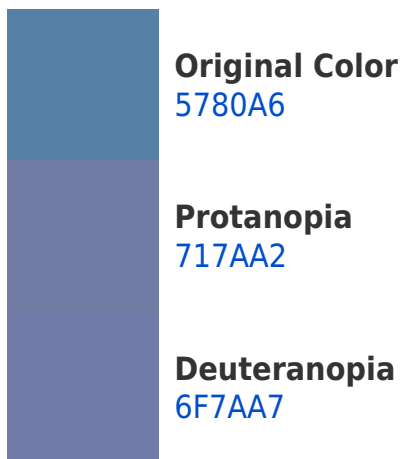


This preview shows how white text looks on a background with the Hex color 5780A6.

# 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](#).

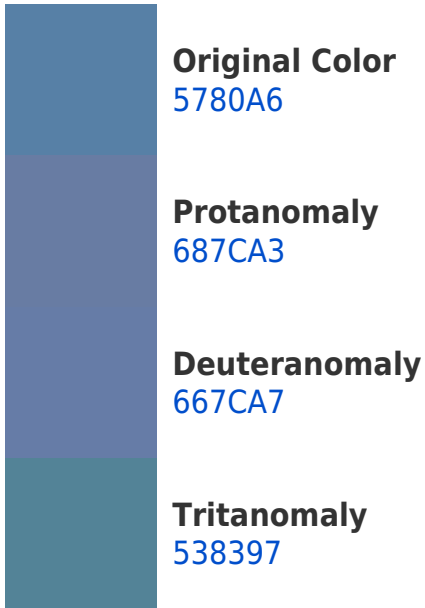
## Dichromacy





**Tritanopia**  
50848F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5780A6 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 #5780A6 looks like.

```
.text, #text, p{  
    color:#5780A6  
}
```

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 #5780A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5780A6
}
```

## Border

The CSS property to change the border of an element to Hex 5780A6 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
#5780A6 }
```

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

```
.border{ border-color:#5780A6 }
```

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

Here you see how a box with a 4 pixel #5780A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5780A6; -webkit-box-shadow:4px 4px  
4px 4px #5780A6; box-shadow:4px 4px 4px  
4px #5780A6 }
```

# Background

The CSS property to change the background color of an element to Hex 5780A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5780A6 }
```

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

```
.background{ background-color:#5780A6 }
```

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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