

# Converting Colors

Hex(5798E2)

Have a look what the booklet for  
Hex(5798E2) contains.

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# **Color**

**Hex(5798E2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5798E2
RGB	87, 152, 226
RGB Percent	34%, 60%, 89%
CMY	0.6588, 0.4039, 0.1137
CMYK	0.62, 0.33, 0.00, 0.11
HSL	212°, 71%, 61%
HSV	212°, 62%, 89%
XYZ	28.8862, 29.9737, 76.2145
YIQ	141.0010, -62.4940, 9.2340

# Conversions

## Conversions Part 2

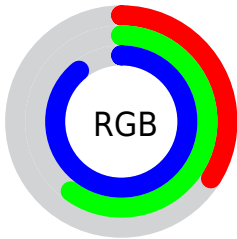
Format	Color
R <sub>Y</sub> B	87, 131, 226
Decimal	5740770
CIE Lab	61.63, 1.55, -43.73
CIE LCh	62, 43.758, 272.027
Yxy	29.9737, 0.2139, 0.2219
Android (android.graphics.Color)	4283930850 (0xFF5798E2)
YUV	141.0010, 41.9045, -47.3589
Hunter-Lab	54.7482, -1.6295, -44.2133

# Details

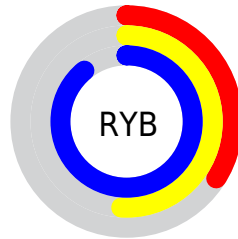
The Hex color **5798E2** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **E2A157**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **93CEFF**, and **0066AA** is the 20% darker color. If you saturate the color by 10%, you get **408CE2**, and if you desaturate by 10%, it is **6EA4E2**.

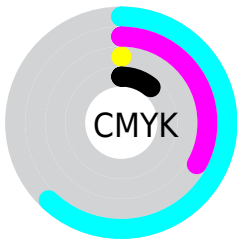
# Distribution



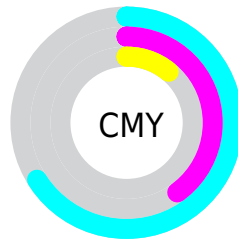
- Red (34%)
- Green (60%)
- Blue (89%)



- Red (34%)
- Yellow (51%)
- Blue (89%)



- Cyan (62%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)



- Cyan (66%)
- Magenta (40%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5798E2 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 5798E2 by changing the saturation by 10% instead.



■ 5798E2

■ 5798E2

FFFFFF

■ 357EC6

■ 93CEFF

■ 0066AA

■ B1EAFF

■ 004E8F

■ CFFFFFF

■ 003875

■ EDFFFF

■ 00235C

■ 000C44

■ 00032D

■ 000118

■ 000000

■ 5798E2

■ 5798E2

■ 408CE2

■ 6EA4E2

■ 2A80E2

■ 84B0E2

■ 1374E2

■ 9BBCE2

■ 006AE2

■ B1C8E2

■ C8D4E2

■ DFE0E2

■ F5ECE2

■ FFF8E2

■ FFFF2

# Harmonies

## Analogous

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



00A2D9



5798E2



9B8AD7

# Triad

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



5798E2



DC796E



50A66F

# Complementary

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



5798E2



E2A157

# 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.



829F51



5798E2



C98651

# Square

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



5798E2



DC7594



AA9445



00A996

# Rectangle

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



5798E2



BB80C5



AA9445



62A464

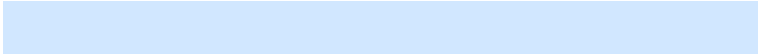


# Sweetspot

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



5798E2



D1E7FF



57E29F



637180



000000



808080



# Same Dimension

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



5798E2



429BFF



5957E2



656A70



0052B0



001730



# Inverse Universe

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



E25798



FF429B



E0E257



70656A



B00052

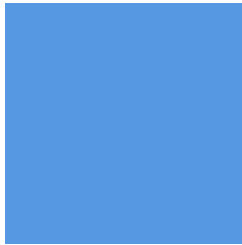


300017



# Previews

## White Background



This preview shows how the Hex color 5798E2 looks on a white background.

## Color Contrast Check

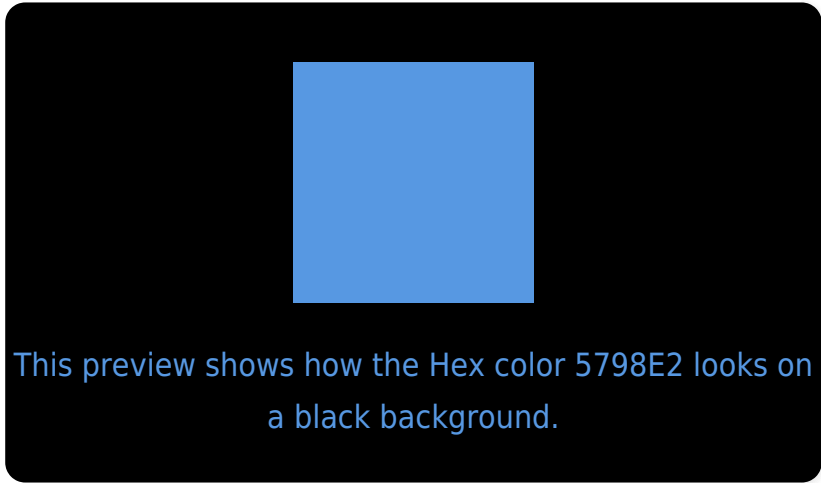
Large Text (above 18pt) WCAG AA ✓ Pass

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

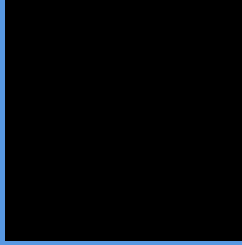
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

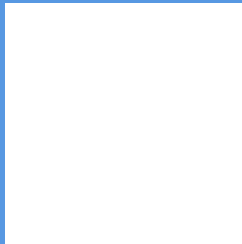
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5798E2 Background



This preview shows how black text looks on a background with the Hex color 5798E2.

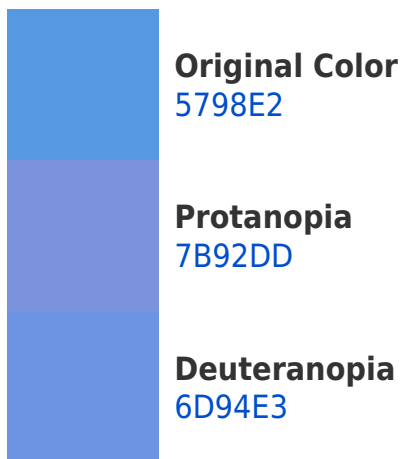


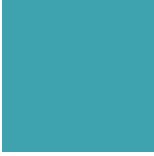
This preview shows how white text looks on a background with the Hex color 5798E2.

# 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](#).

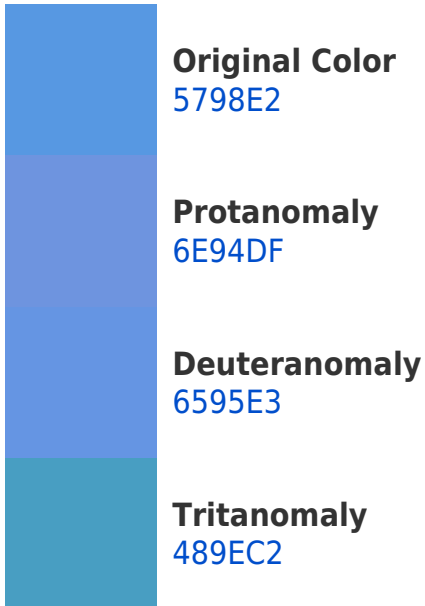
## Dichromacy



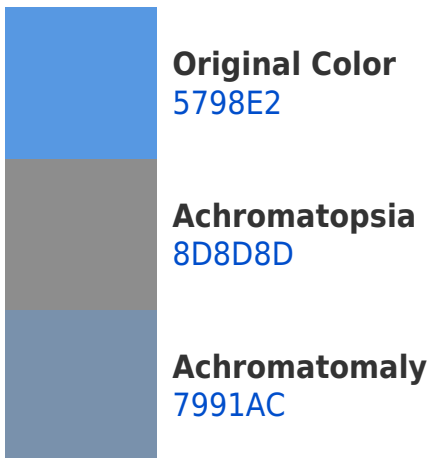


**Tritanopia**  
3FA2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5798E2 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 #5798E2 looks like.

```
.text, #text, p{  
    color:#5798E2  
}
```

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 #5798E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5798E2
}
```

## Border

The CSS property to change the border of an element to Hex 5798E2 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
#5798E2 }
```

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

```
.border{ border-color:#5798E2 }
```

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

Here you see how a box with a 4 pixel #5798E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5798E2; -webkit-box-shadow:4px 4px  
4px 4px #5798E2; box-shadow:4px 4px 4px  
4px #5798E2 }
```

# Background

The CSS property to change the background color of an element to Hex 5798E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5798E2 }
```

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

```
.background{ background-color:#5798E2 }
```

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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