

# Converting Colors

Hex(5683E3)

Have a look what the booklet for  
Hex(5683E3) contains.

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# **Color**

**Hex(5683E3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5683E3
RGB	86, 131, 227
RGB Percent	34%, 51%, 89%
CMY	0.6627, 0.4863, 0.1098
CMYK	0.62, 0.42, 0.00, 0.11
HSL	221°, 72%, 61%
HSV	221°, 62%, 89%
XYZ	25.8192, 23.7571, 75.8978
YIQ	128.4890, -57.6360, 20.3160

# Conversions

## Conversions Part 2

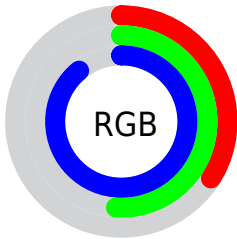
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 120, 227
Decimal	5669859
CIE Lab	55.84, 14.15, -53.46
CIE LCh	56, 55.304, 284.824
Yxy	23.7571, 0.2058, 0.1893
Android (android.graphics.Color)	4283859939 (0xFF5683E3)
YUV	128.4890, 48.5659, -37.2629
Hunter-Lab	48.7412, 9.2577, -58.2050

# Details

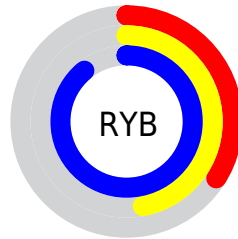
The Hex color **5683E3** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **E3B656**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **93B8FF**, and **0052AB** is the 20% darker color. If you saturate the color by 10%, you get **3F74E3**, and if you desaturate by 10%, it is **6D92E3**.

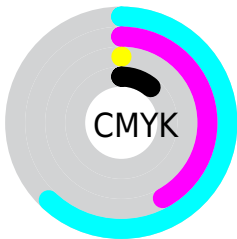
# Distribution



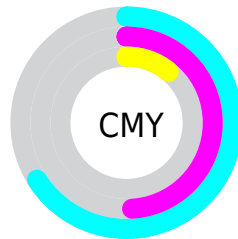
- Red (34%)
- Green (51%)
- Blue (89%)



- Red (34%)
- Yellow (47%)
- Blue (89%)



- Cyan (62%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (66%)
- Magenta (49%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5683E3 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 5683E3 by changing the saturation by 10% instead.



 5683E3

 5683E3

FFFFFF

 336AC7

 93B8FF

 0052AB

 B0D3FF

 003C90

 CEEFFF

 002776

 ECFFFF

 00145C

 000844

 00032D

 000117

 000000

■ 5683E3

■ 5683E3

■ 3F74E3

■ 6D92E3

■ 2964E3

■ 83A2E3

■ 1255E3

■ 9AB1E3

■ 0048E3

■ B1C1E3

■ C8D0E3

■ DEE0E3

■ F5EFE3

■ FFFFE3

# Harmonies

## Analogous

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



0092E2



5683E3



A76FCA

# Triad

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



5683E3



D16744



009B6B

# Complementary

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



5683E3



E3B656

# 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.



51963D



5683E3



B37B22

# Square

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



5683E3



DD5970



888B1E



009D9D

# Rectangle

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



5683E3



C661B0



888B1E



009A5B



# Sweetspot

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



5683E3



CFDEFF



56E3B4



626C80



000000



808080



# Same Dimension

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



5683E3



407DFF



6D56E3



676B73



0039B3



001033



# Inverse Universe

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



E35683



FF407D



CBE356



73676B



B30039

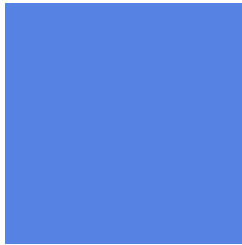


330010



# Previews

## White Background



This preview shows how the Hex color 5683E3 looks on a white background.

## Color Contrast Check

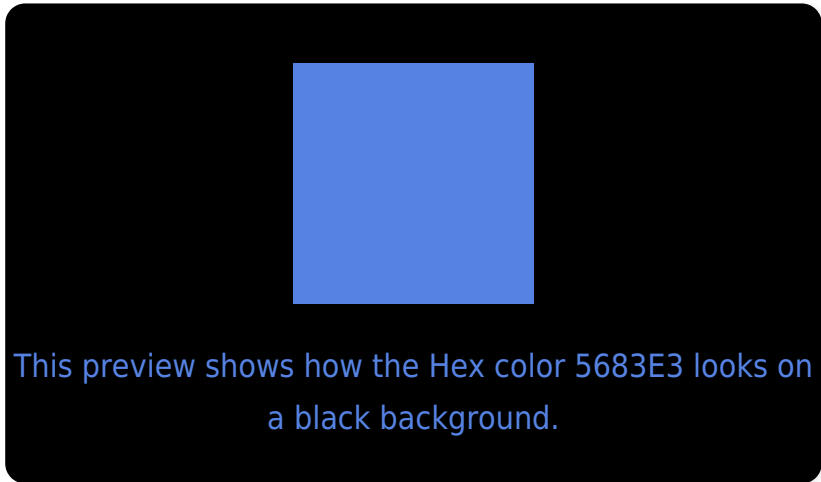
Large Text (above 18pt) WCAG AA ✓ Pass

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

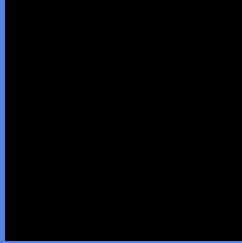
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

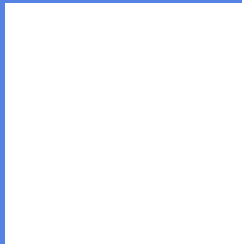
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5683E3 Background



This preview shows how black text looks on a background with the Hex color 5683E3.



This preview shows how white text looks on a background with the Hex color 5683E3.

# 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](#).

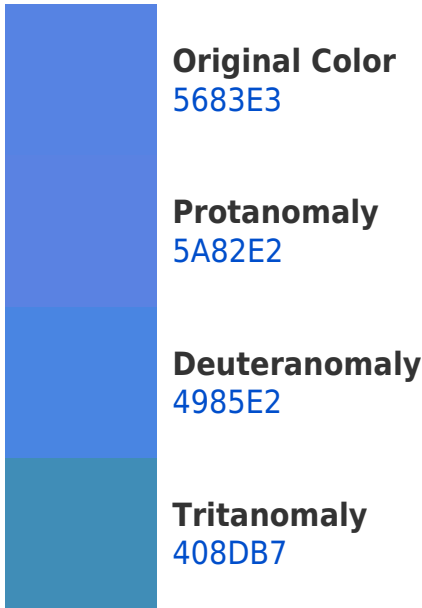
## Dichromacy





**Tritanopia**  
33929E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5683E3 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 #5683E3 looks like.

```
.text, #text, p{  
    color:#5683E3  
}
```

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 #5683E3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5683E3
}
```

## Border

The CSS property to change the border of an element to Hex 5683E3 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
#5683E3 }
```

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

```
.border{ border-color:#5683E3 }
```

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

Here you see how a box with a 4 pixel #5683E3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5683E3; -webkit-box-shadow:4px 4px  
4px 4px #5683E3; box-shadow:4px 4px 4px  
4px #5683E3 }
```

# Background

The CSS property to change the background color of an element to Hex 5683E3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5683E3 }
```

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

```
.background{ background-color:#5683E3 }
```

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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