

# Converting Colors

Hex(6785E4)

Have a look what the booklet for  
Hex(6785E4) contains.

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# **Color**

**Hex(6785E4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6785E4
RGB	103, 133, 228
RGB Percent	40%, 52%, 89%
CMY	0.5961, 0.4784, 0.1059
CMYK	0.55, 0.42, 0.00, 0.11
HSL	226°, 70%, 65%
HSV	226°, 55%, 89%
XYZ	27.9846, 25.2601, 76.7995
YIQ	134.8600, -48.3750, 23.1850

# Conversions

## Conversions Part 2

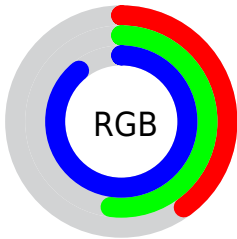
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 127, 228</a>
Decimal	<a href="#">6784484</a>
CIELab	<a href="#">57.33, 16.56, -51.60</a>
CIElCh	<a href="#">57, 54.197, 287.795</a>
Yxy	<a href="#">25.2601, 0.2152, 0.1942</a>
Android (android.graphics.Color)	<a href="#">4284974564</a> (0xFF6785E4)
YUV	<a href="#">134.8600, 45.9180, -27.9412</a>
Hunter-Lab	<a href="#">50.2594, 11.4356, -55.4173</a>

# Details

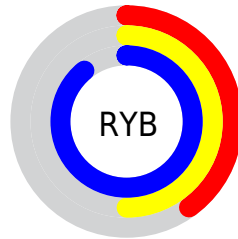
The Hex color **6785E4** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **E4C667**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **A1BAFF**, and **2554AC** is the 20% darker color. If you saturate the color by 10%, you get **5074E4**, and if you desaturate by 10%, it is **7E96E4**.

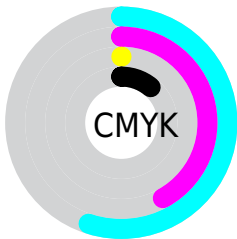
# Distribution



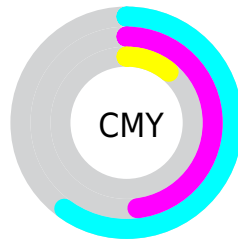
- Red (40%)
- Green (52%)
- Blue (89%)



- Red (40%)
- Yellow (50%)
- Blue (89%)



- Cyan (55%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (48%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6785E4 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 6785E4 by changing the saturation by 10% instead.



 6785E4

 6785E4

FFFFFF

 496CC8

 A1BAFF

 2554AC

 BFD5FF

 003D91

 DCF2FF

 002877

 FAFFFF

 00155D

 000445

 00042E

 000118

 000000

■ 6785E4

■ 6785E4

■ 5074E4

■ 7E96E4

■ 3962E4

■ 95A8E4

■ 2351E4

■ ABB9E4

■ 0C40E4

■ C2CAE4

■ 0037E4

■ D9DCE4

■ F0EDE4

■ FFFEE4

■ FFFFE4

# Harmonies

## Analogous

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



0094E6



6785E4



B071CA

# Triad

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



6785E4



D26E45



009F74

# Complementary

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



6785E4



E4C667

# 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.



509A47



6785E4



B38027

# Square

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



6785E4



E05F6F



889027



00A1A5

# Rectangle

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



6785E4



CC65AE



889027



009E64



# Sweetspot

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



6785E4



D6E0FF



67E4C5



676D80



000000



808080



# Same Dimension

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



6785E4



577FFF



8667E4



676A73



002BB3



000C33



# Inverse Universe

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



E46785



FF577F



C5E467



73676A



B3002B

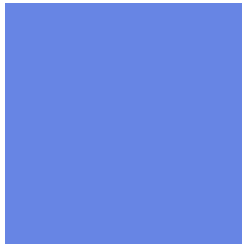


33000C



# Previews

## White Background



This preview shows how the Hex color 6785E4 looks on a white background.

## Color Contrast Check

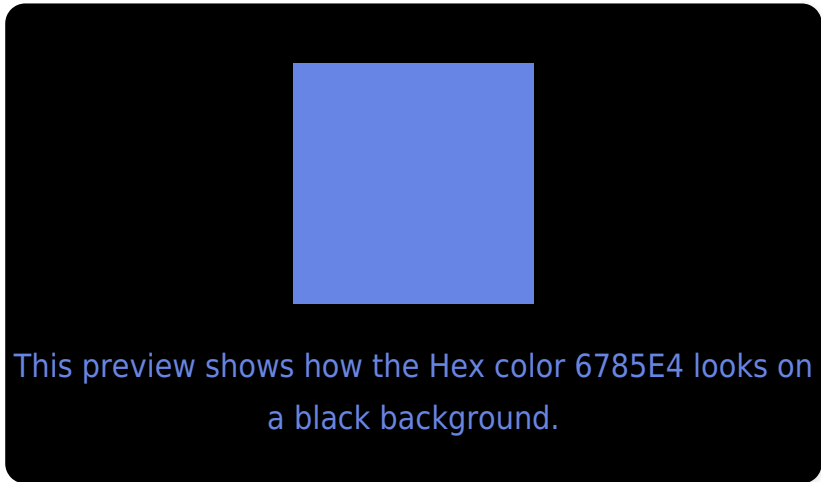
Large Text (above 18pt) WCAG AA ✓ Pass

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 6785E4 Background



This preview shows how black text looks on a background with the Hex color 6785E4.



This preview shows how white text looks on a background with the Hex color 6785E4.

# 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**  
6785E4

**Protanopia**  
6286E5

**Deuteranopia**  
4F8AE3



**Tritanopia**  
4E94A0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6785E4 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 #6785E4 looks like.

```
.text, #text, p{  
    color:#6785E4  
}
```

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 #6785E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6785E4
}
```

## Border

The CSS property to change the border of an element to Hex 6785E4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

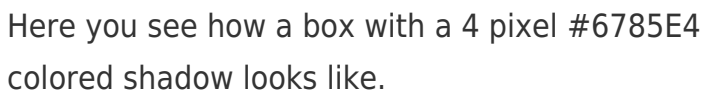
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6785E4 }
```

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

```
.border{ border-color:#6785E4 }
```

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



Here you see how a box with a 4 pixel #6785E4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6785E4; -webkit-box-shadow:4px 4px  
4px 4px #6785E4; box-shadow:4px 4px 4px  
4px #6785E4 }
```

# Background

The CSS property to change the background color of an element to Hex 6785E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6785E4 }
```

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

```
.background{ background-color:#6785E4 }
```

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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