

# Converting Colors

Hex(6D84DE)

Have a look what the booklet for  
Hex(6D84DE) contains.

<b>Hex(6D84DE)</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(6D84DE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D84DE
RGB	109, 132, 222
RGB Percent	43%, 52%, 87%
CMY	0.5725, 0.4824, 0.1294
CMYK	0.51, 0.41, 0.00, 0.13
HSL	228°, 63%, 65%
HSV	228°, 51%, 87%
XYZ	27.7428, 25.0277, 72.4759
YIQ	135.3830, -42.5980, 23.1140

# Conversions

## Conversions Part 2

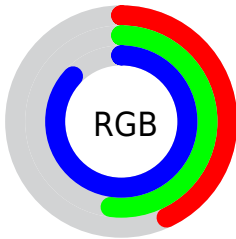
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	109, 128, 222
Decimal	7177438
CIE Lab	57.10, 16.57, -48.59
CIE LCh	57, 51.336, 288.836
Yxy	25.0277, 0.2215, 0.1998
Android (android.graphics.Color)	4285367518 (0xFF6D84DE)
YUV	135.3830, 42.7022, -23.1379
Hunter-Lab	50.0277, 11.4385, -50.8750

# Details

The Hex color **6D84DE** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **DEC76D**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **A6B9FF**, and **3153A6** is the 20% darker color. If you saturate the color by 10%, you get **5772DE**, and if you desaturate by 10%, it is **8396DE**.

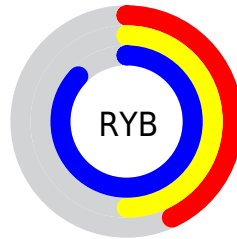
# Distribution



Red (43%)

Green (52%)

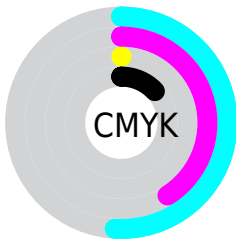
Blue (87%)



Red (43%)

Yellow (50%)

Blue (87%)

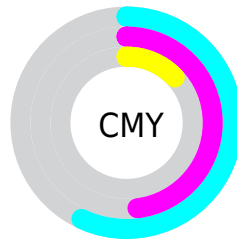


Cyan (51%)

Magenta (41%)

Yellow (0%)

Black (13%)



Cyan (57%)

Magenta (48%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6D84DE 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 6D84DE by changing the saturation by 10% instead.



■ 6D84DE

■ 6D84DE

FFFFFF

■ 506BC2

■ A6B9FF

■ 3153A6

■ C3D4FF

■ 003C8B

■ E1F1FF

■ 002771

■ 001458

■ 000440

■ 000329

■ 000113

■ 000000

■ 6D84DE

■ 6D84DE

■ 5772DE

■ 8396DE

■ 4161DE

■ 99A7DE

■ 2A4FDE

■ B0B9DE

■ 143DDE

■ C6CBDE

■ 002DDE

■ DCDCDE

■ F2EEDE

■ FFFFDE

# Harmonies

## Analogous

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



0093E1



6D84DE



AF71C4

# Triad

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



6D84DE



CE6F47



009E76

# Complementary

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



6D84DE



DEC76D

# 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.



51994B



6D84DE



B0812D

# Square

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



6D84DE



DB626F



868F2E



009FA5

# Rectangle

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



6D84DE



CA66AA



868F2E



049D67



# Sweetspot

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



6D84DE



D9E1FF



6DDEC6



696D80



000000



808080



# Same Dimension

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



6D84DE



6383FF



8D6DDE



656770



0024B0



000A30



# Inverse Universe

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



DE6D84



FF6383



BEDE6D



706567



B00024

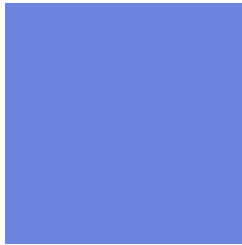


30000A



# Previews

## White Background



This preview shows how the Hex color 6D84DE looks on a white background.

## Color Contrast Check

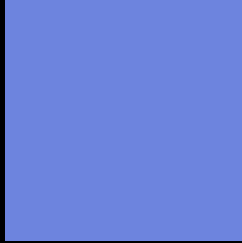
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 6D84DE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

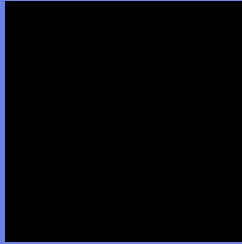
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6D84DE Background



This preview shows how black text looks on a background with the Hex color 6D84DE.



This preview shows how white text looks on a background with the Hex color 6D84DE.

# 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](#).

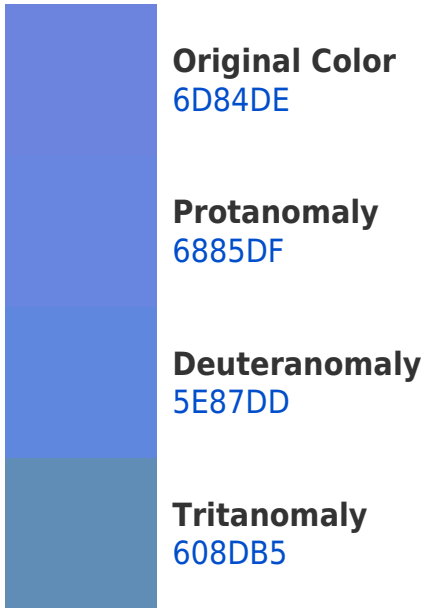
## Dichromacy



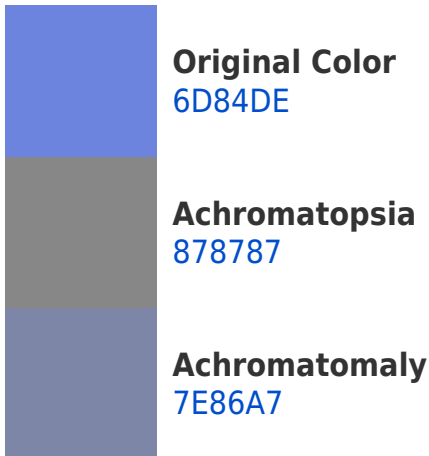


**Tritanopia**  
58929E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6D84DE 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 #6D84DE looks like.

```
.text, #text, p{  
    color:#6D84DE  
}
```

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 #6D84DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6D84DE
}
```

## Border

The CSS property to change the border of an element to Hex 6D84DE 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
#6D84DE }
```

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

```
.border{ border-color:#6D84DE }
```

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

Here you see how a box with a 4 pixel #6D84DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6D84DE; -webkit-box-shadow:4px 4px  
4px 4px #6D84DE; box-shadow:4px 4px 4px  
4px #6D84DE }
```

# Background

The CSS property to change the background color of an element to Hex 6D84DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6D84DE }
```

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

```
.background{ background-color:#6D84DE }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor