

# Converting Colors

Hex(4A78DF)

Have a look what the booklet for  
Hex(4A78DF) contains.

<b>Hex(4A78DF)</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(4A78DF)

# Conversions

## Conversions Part 1

Format	Color
Hex	4A78DF
RGB	74, 120, 223
RGB Percent	29%, 47%, 87%
CMY	0.7098, 0.5294, 0.1255
CMYK	0.67, 0.46, 0.00, 0.13
HSL	221°, 70%, 58%
HSV	221°, 67%, 87%
XYZ	22.8598, 20.2165, 72.5094
YIQ	117.9880, -60.4790, 22.2810

# Conversions

## Conversions Part 2

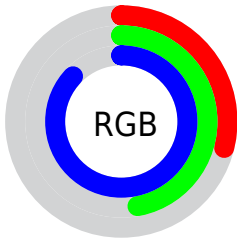
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 109, 223
Decimal	4880607
CIE <sub>Lab</sub>	52.08, 17.49, -57.27
CIE <sub>LCh</sub>	52, 59.882, 286.982
Yxy	20.2165, 0.1978, 0.1749
Android (android.graphics.Color)	4283070687 (0xFF4A78DF)
YUV	117.9880, 51.7709, -38.5775
Hunter-Lab	44.9628, 12.0674, -64.1403

# Details

The Hex color **4A78DF** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **DFB14A**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **89ACFF**, and **0048A7** is the 20% darker color. If you saturate the color by 10%, you get **3469DF**, and if you desaturate by 10%, it is **6087DF**.

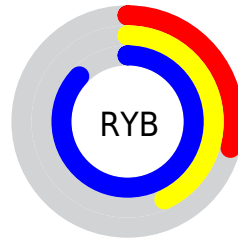
# Distribution



Red (29%)

Green (47%)

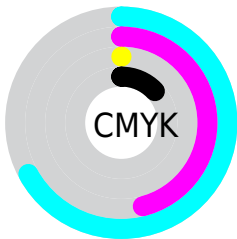
Blue (87%)



Red (29%)

Yellow (43%)

Blue (87%)

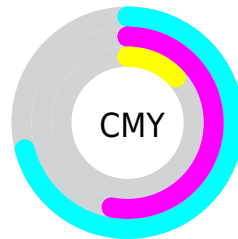


Cyan (67%)

Magenta (46%)

Yellow (0%)

Black (13%)



Cyan (71%)

Magenta (53%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A78DF 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 4A78DF by changing the saturation by 10% instead.



■ 4A78DF

■ 4A78DF

FFFFFF

■ 2260C3

■ 89ACFF

■ 0048A7

■ A7C7FF

■ 00338C

■ C5E3FF

■ 001F72

■ E3FFFF

■ 000659

■ 000740

■ 000329

■ 000113

■ 000000

■ 4A78DF

■ 4A78DF

■ 3469DF

■ 6087DF

■ 1D59DF

■ 7797DF

■ 074ADF

■ 8DA6DF

■ 0045DF

■ A3B6DF

■ BAC5DF

■ D0D4DF

■ E6E4DF

■ FCF3DF

■ FFFFDF

# Harmonies

## Analogous

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



0089E0



4A78DF



A361C3

# Triad

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



4A78DF



C95C32



009363

# Complementary

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



4A78DF



DFB14A

# 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.



3A8D30



4A78DF



A77202

# Square

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



4A78DF



D84961



798300



009499

# Rectangle

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



4A78DF



C351A5



798300



009152



# Sweetspot

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



4A78DF



CCDCFF



4ADFB0



616A80



000000



808080



# Same Dimension

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



4A78DF



3372FF



654ADF



656870



0036B0



000F30



# Inverse Universe

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



DF4A78



FF3372



C4DF4A



706568



B00036



30000F



# Previews

## White Background



This preview shows how the Hex color 4A78DF looks on a white background.

## Color Contrast Check

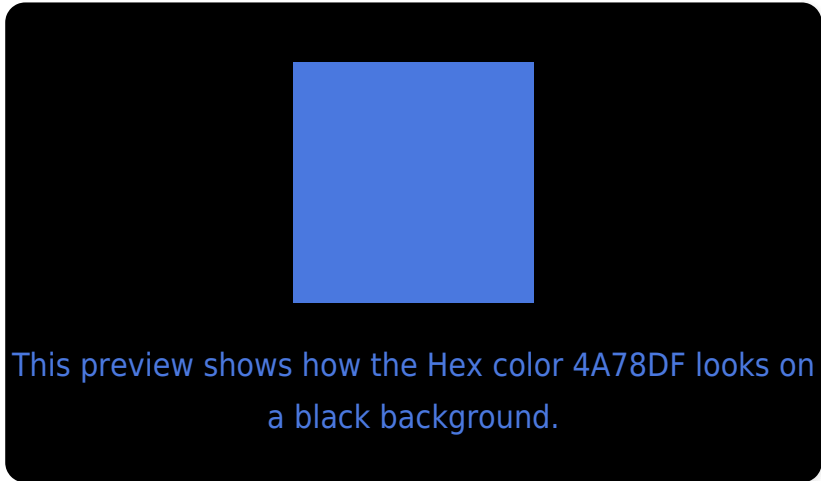
Large Text (above 18pt) WCAG AA ✓ Pass

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 4A78DF Background



This preview shows how black text looks on a background with the Hex color 4A78DF.



This preview shows how white text looks on a background with the Hex color 4A78DF.

# 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](#).

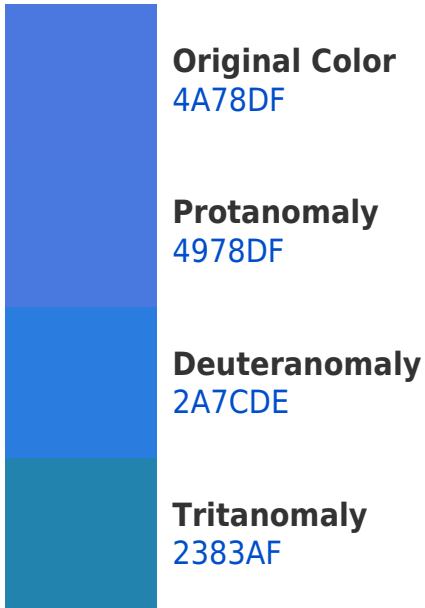
## Dichromacy





**Tritanopia**  
0D8994

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A78DF 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 #4A78DF looks like.

```
.text, #text, p{  
    color:#4A78DF  
}
```

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 #4A78DF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A78DF
}
```

## Border

The CSS property to change the border of an element to Hex 4A78DF is called "border". The border property can be set on classes, ids or directly on the HTML element.

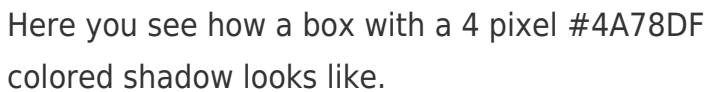
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4A78DF }
```

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

```
.border{ border-color:#4A78DF }
```

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



Here you see how a box with a 4 pixel #4A78DF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A78DF; -webkit-box-shadow:4px 4px  
4px 4px #4A78DF; box-shadow:4px 4px 4px  
4px #4A78DF }
```

# Background

The CSS property to change the background color of an element to Hex 4A78DF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A78DF }
```

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

```
.background{ background-color:#4A78DF }
```

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