

# Converting Colors

Hex(4B78E5)

Have a look what the booklet for  
Hex(4B78E5) contains.

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# Color

Hex(4B78E5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B78E5
RGB	75, 120, 229
RGB Percent	29%, 47%, 90%
CMY	0.7059, 0.5294, 0.1020
CMYK	0.67, 0.48, 0.00, 0.10
HSL	222°, 75%, 60%
HSV	222°, 67%, 90%
XYZ	23.7610, 20.5859, 76.8499
YIQ	118.9710, -61.8090, 24.3590

# Conversions

## Conversions Part 2

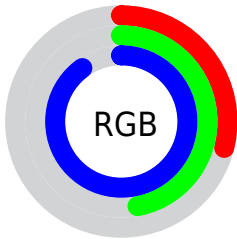
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 110, 229
Decimal	4946149
CIE Lab	52.49, 19.75, -59.98
CIE LCh	52, 63.145, 288.223
Yxy	20.5859, 0.1961, 0.1699
Android (android.graphics.Color)	4283136229 (0xFF4B78E5)
YUV	118.9710, 54.2443, -38.5626
Hunter-Lab	45.3717, 14.0791, -68.6642

# Details

The Hex color **4B78E5** 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 **E5B84B**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **8BACFF**, and **0048AD** is the 20% darker color. If you saturate the color by 10%, you get **3468E5**, and if you desaturate by 10%, it is **6288E5**.

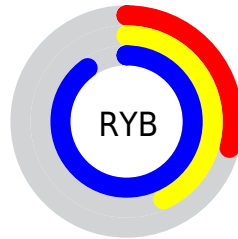
# Distribution



Red (29%)

Green (47%)

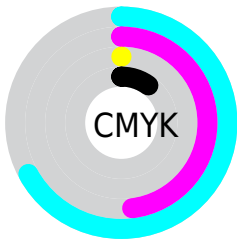
Blue (90%)



Red (29%)

Yellow (43%)

Blue (90%)

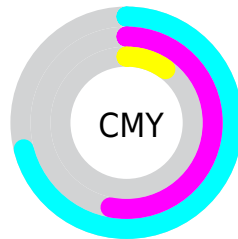


Cyan (67%)

Magenta (48%)

Yellow (0%)

Black (10%)



Cyan (71%)

Magenta (53%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B78E5 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 4B78E5 by changing the saturation by 10% instead.



■ 4B78E5

■ 4B78E5

FFFFFF

■ 2260C8

■ 8BACFF

■ 0048AD

■ A9C7FF

■ 003392

■ C7E3FF

■ 001F77

■ E6FFFF

■ 00085E

■ 000845

■ 00042E

■ 000118

■ 000000

 4B78E5

 4B78E5

 3468E5

 6288E5

 1D58E5

 7998E5

 0647E5

 90A9E5

 0043E5

 A7B9E5

 BEC9E5

 D4D9E5

 EBE9E5

 FFFAE5

 FFFFE5

# Harmonies

## Analogous

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



008AE8



4B78E5



A85FC6

# Triad

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



4B78E5



CC5B2D



009565

# Complementary

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



4B78E5



E5B84B

# 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.



318F2E



4B78E5



A87300

# Square

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



4B78E5



DD465F



778500



00969E

# Rectangle

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



4B78E5



C94EA7



778500



009353



# Sweetspot

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



4B78E5



CCDBFF



4BE5B7



616A80



000000



808080



# Same Dimension

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



4B78E5



306DFF



6A4BE5



676B73



0034B3



000F33



# Inverse Universe

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



E54B78



FF306D



C6E54B



73676B



B30034



33000F



# Previews

## White Background



This preview shows how the Hex color 4B78E5 looks on a white background.

## Color Contrast Check

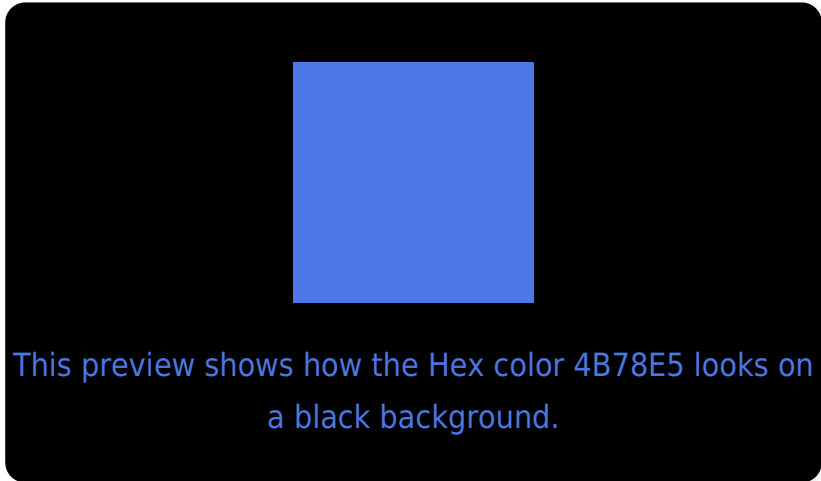
Large Text (above 18pt) WCAG AA ✓ Pass

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

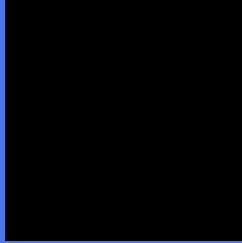
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

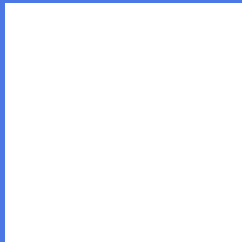
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4B78E5 Background



This preview shows how black text looks on a background with the Hex color 4B78E5.



This preview shows how white text looks on a background with the Hex color 4B78E5.

# 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**  
008A95

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B78E5 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 #4B78E5 looks like.

```
.text, #text, p{  
    color:#4B78E5  
}
```

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 #4B78E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B78E5
}
```

## Border

The CSS property to change the border of an element to Hex 4B78E5 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
#4B78E5 }
```

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

```
.border{ border-color:#4B78E5 }
```

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

Here you see how a box with a 4 pixel #4B78E5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B78E5; -webkit-box-shadow:4px 4px  
4px 4px #4B78E5; box-shadow:4px 4px 4px  
4px #4B78E5 }
```

# Background

The CSS property to change the background color of an element to Hex 4B78E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B78E5 }
```

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

```
.background{ background-color:#4B78E5 }
```

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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