

# Converting Colors

Hex(4B76D7)

Have a look what the booklet for  
Hex(4B76D7) contains.

<b>Hex(4B76D7)</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(4B76D7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B76D7
RGB	75, 118, 215
RGB Percent	29%, 46%, 84%
CMY	0.7059, 0.5373, 0.1569
CMYK	0.65, 0.45, 0.00, 0.16
HSL	222°, 64%, 57%
HSV	222°, 65%, 84%
XYZ	21.6458, 19.3590, 66.8858
YIQ	116.2010, -56.7650, 21.0510

# Conversions

## Conversions Part 2

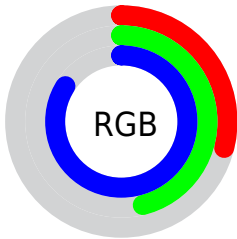
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 108, 215
Decimal	4945623
CIE Lab	51.10, 16.09, -54.32
CIE LCh	51, 56.652, 286.505
Yxy	19.3590, 0.2006, 0.1794
Android (android.graphics.Color)	4283135703 (0xFF4B76D7)
YUV	116.2010, 48.7079, -36.1333
Hunter-Lab	43.9989, 10.8174, -59.3317

# Details

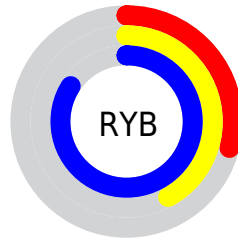
The Hex color **4B76D7** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **D7AC4B**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **88AAFF**, and **00479F** is the 20% darker color. If you saturate the color by 10%, you get **3567D7**, and if you desaturate by 10%, it is **6085D7**.

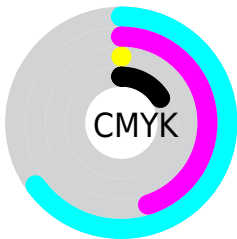
# Distribution



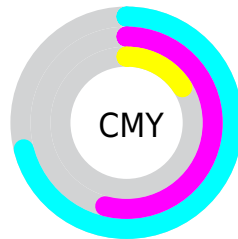
- Red (29%)
- Green (46%)
- Blue (84%)



- Red (29%)
- Yellow (42%)
- Blue (84%)



- Cyan (65%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)



- Cyan (71%)
- Magenta (54%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B76D7 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 4B76D7 by changing the saturation by 10% instead.



■ 4B76D7

■ 4B76D7

FFFFFF

■ 265EBB

■ 88AAFF

■ 00479F

■ A6C5FF

■ 003185

■ C4E1FF

■ 001D6B

■ E2FDFF

■ 000252

■ 00053A

■ 000224

■ 00000B

■ 000000

■ 4B76D7

■ 4B76D7

■ 3567D7

■ 6085D7

■ 2058D7

■ 7694D7

■ 0B49D7

■ 8CA3D7

■ 0042D7

■ A1B2D7

■ B7C0D7

■ CCCFD7

■ E2DED7

■ F7EDD7

■ FFFCD7

# Harmonies

## Analogous

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



0085D8



4B76D7



9D61BD

# Triad

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



4B76D7



C35B35



008F61

# Complementary

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



4B76D7



D7AC4B

# 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.



3E8A32



4B76D7



A4700E

# Square

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



4B76D7



D14B61



788008



009094

# Rectangle

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



4B76D7



BC52A1



788008



008E51



# Sweetspot

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



4B76D7



CCDCFF



4BD7AB



616A80



000000



808080



# Same Dimension

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



4B76D7



3875FF



654BD7



60646B



0034AB



000D2B



# Inverse Universe

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



D74B76



FF3875



BDD74B



6B6064



AB0034



2B000D



# Previews

## White Background



This preview shows how the Hex color 4B76D7 looks on a white background.

## Color Contrast Check

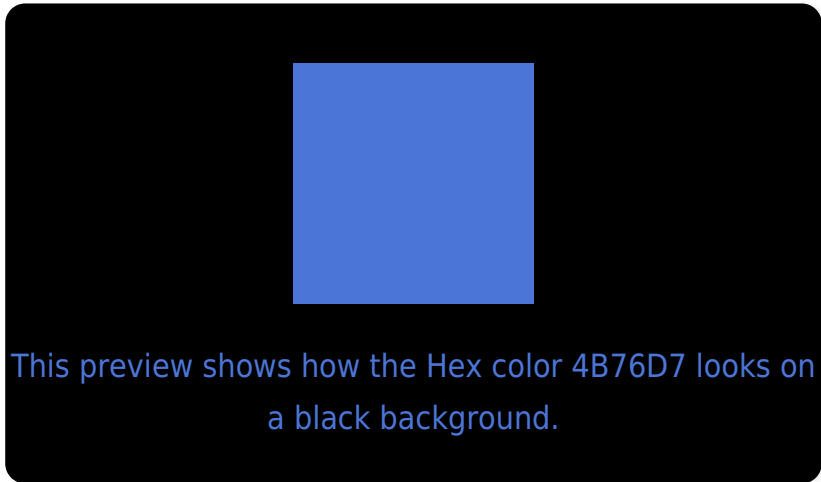
Large Text (above 18pt) WCAG AA ✓ Pass

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 4B76D7 Background



This preview shows how black text looks on a background with the Hex color 4B76D7.

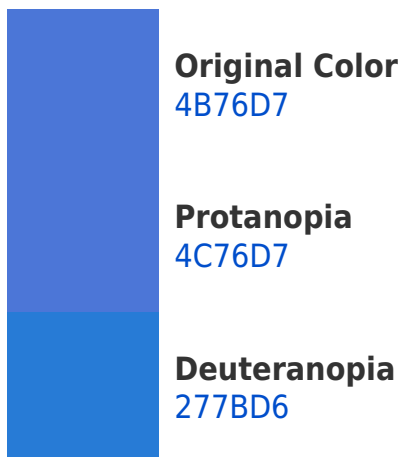


This preview shows how white text looks on a background with the Hex color 4B76D7.

# 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](#).

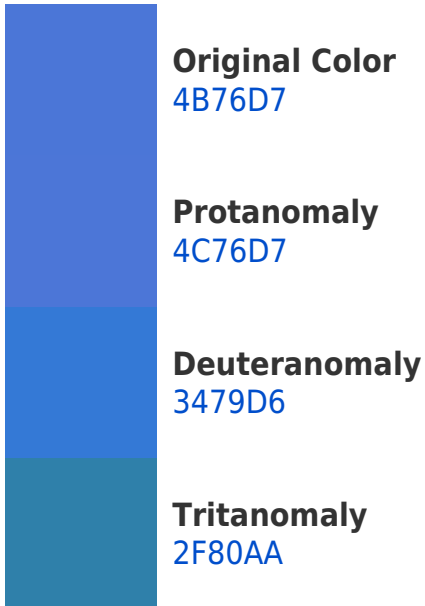
## Dichromacy



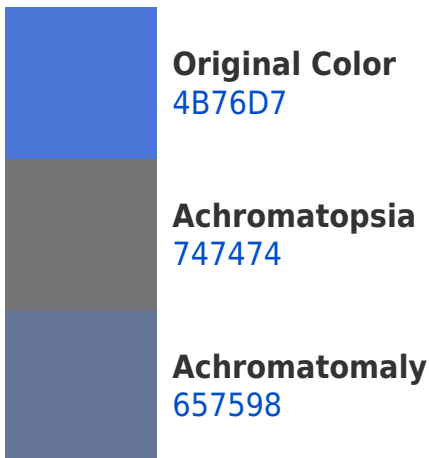


**Tritanopia**  
1F8691

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B76D7 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 #4B76D7 looks like.

```
.text, #text, p{  
    color:#4B76D7  
}
```

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 #4B76D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B76D7
}
```

## Border

The CSS property to change the border of an element to Hex 4B76D7 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
#4B76D7 }
```

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

```
.border{ border-color:#4B76D7 }
```

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

Here you see how a box with a 4 pixel #4B76D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B76D7; -webkit-box-shadow:4px 4px  
4px 4px #4B76D7; box-shadow:4px 4px 4px  
4px #4B76D7 }
```

# Background

The CSS property to change the background color of an element to Hex 4B76D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B76D7 }
```

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

```
.background{ background-color:#4B76D7 }
```

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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