

# Converting Colors

Hex(4876DD)

Have a look what the booklet for  
Hex(4876DD) contains.

<b>Hex(4876DD)</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(4876DD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4876DD
RGB	72, 118, 221
RGB Percent	28%, 46%, 87%
CMY	0.7176, 0.5373, 0.1333
CMYK	0.67, 0.47, 0.00, 0.13
HSL	221°, 69%, 57%
HSV	221°, 67%, 87%
XYZ	22.2021, 19.5550, 71.0109
YIQ	115.9880, -60.4790, 22.2810

# Conversions

## Conversions Part 2

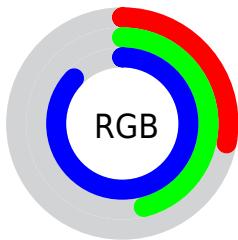
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 107, 221
Decimal	4749021
CIE <sub>Lab</sub>	51.33, 17.72, -57.35
CIE <sub>LCh</sub>	51, 60.028, 287.164
Yxy	19.5550, 0.1969, 0.1734
Android (android.graphics.Color)	4282939101 (0xFF4876DD)
YUV	115.9880, 51.7709, -38.5775
Hunter-Lab	44.2211, 12.2325, -64.2541

# Details

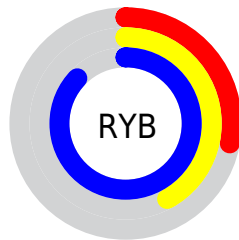
The Hex color **4876DD** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **DDAF48**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **87AAFF**, and **0047A5** is the 20% darker color. If you saturate the color by 10%, you get **3267DD**, and if you desaturate by 10%, it is **5E85DD**.

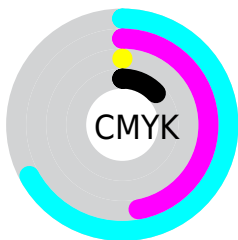
# Distribution



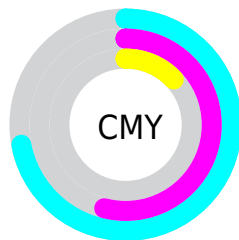
- Red (28%)
- Green (46%)
- Blue (87%)



- Red (28%)
- Yellow (42%)
- Blue (87%)



- Cyan (67%)
- Magenta (47%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (54%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4876DD 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 4876DD by changing the saturation by 10% instead.



 4876DD

 4876DD

FFFFFF

 1F5EC1

 87AAFF

 0047A5

 A5C5FF


 00318A

 C3E1FF

 001E70

 E1FDFF

 000357

 00063F

 000328

 000112

 000000

■ 4876DD

■ 4876DD

■ 3267DD

■ 5E85DD

■ 1C57DD

■ 7495DD

■ 0648DD

■ 8AA4DD

■ 0044DD

■ A0B3DD

■ B7C2DD

■ CDD2DD

■ E3E1DD

■ F9F0DD

■ FFFFDD

# Harmonies

## Analogous

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



0087DF



4876DD



A15FC1

# Triad

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



4876DD



C65A30



009162

# Complementary

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



4876DD



DDAF48

# 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.



378B2E



4876DD



A57000

# Square

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



4876DD



D6475F



778100



009297

# Rectangle

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



4876DD



C14FA3



778100



008F50



# Sweetspot

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



4876DD



CCDCFF



48DDAE



616A80



000000



808080



# Same Dimension

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



4876DD



3070FF



6348DD



63666E



0036AD



000E2E



# Inverse Universe

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



DD4876



FF3070



C2DD48



6E6366



AD0036



2E000E



# Previews

## White Background



This preview shows how the Hex color 4876DD 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 4876DD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

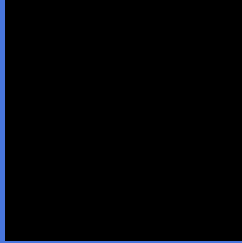
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

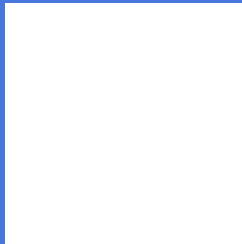
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4876DD Background



This preview shows how black text looks on a background with the Hex color 4876DD.



This preview shows how white text looks on a background with the Hex color 4876DD.

# Color Blindness Simulation

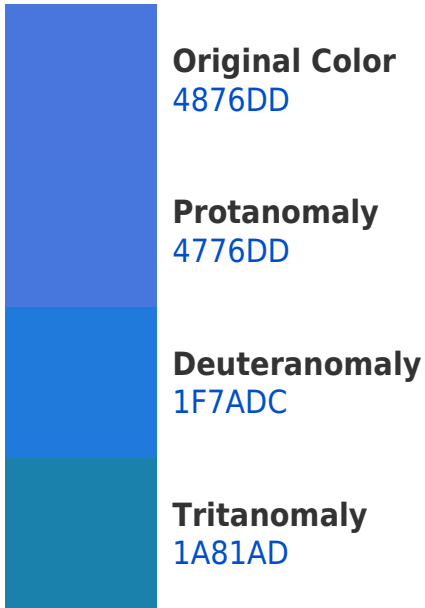
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

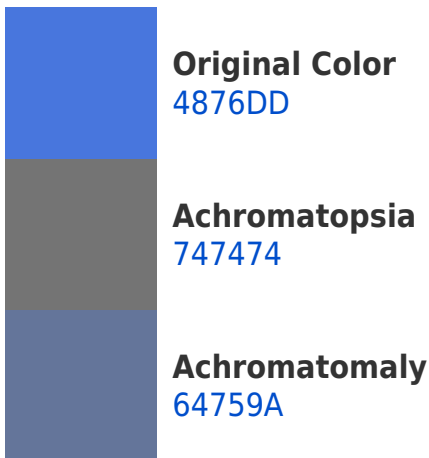




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4876DD 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 #4876DD looks like.

```
.text, #text, p{  
    color:#4876DD  
}
```

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 #4876DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4876DD
}
```

## Border

The CSS property to change the border of an element to Hex 4876DD 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
#4876DD }
```

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

```
.border{ border-color:#4876DD }
```

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

Here you see how a box with a 4 pixel #4876DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4876DD; -webkit-box-shadow:4px 4px  
4px 4px #4876DD; box-shadow:4px 4px 4px  
4px #4876DD }
```

# Background

The CSS property to change the background color of an element to Hex 4876DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4876DD }
```

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

```
.background{ background-color:#4876DD }
```

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