

# Converting Colors

Hex(4875D7)

Have a look what the booklet for  
Hex(4875D7) contains.

<b>Hex(4875D7)</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(4875D7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4875D7
RGB	72, 117, 215
RGB Percent	28%, 46%, 84%
CMY	0.7176, 0.5412, 0.1569
CMYK	0.67, 0.46, 0.00, 0.16
HSL	221°, 64%, 56%
HSV	221°, 67%, 84%
XYZ	21.2995, 19.0066, 66.8360
YIQ	114.7170, -58.2780, 20.9380

# Conversions

## Conversions Part 2

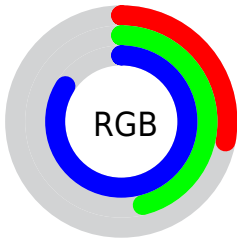
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 106, 215
Decimal	4748759
CIE Lab	50.69, 16.22, -54.98
CIE LCh	51, 57.325, 286.440
Yxy	19.0066, 0.1988, 0.1774
Android (android.graphics.Color)	4282938839 (0xFF4875D7)
YUV	114.7170, 49.4395, -37.4628
Hunter-Lab	43.5966, 10.9139, -60.3774

# Details

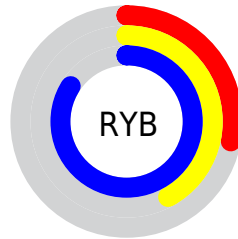
The Hex color **4875D7** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **D7AA48**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **86A9FF**, and **00469F** is the 20% darker color. If you saturate the color by 10%, you get **3366D7**, and if you desaturate by 10%, it is **5E84D7**.

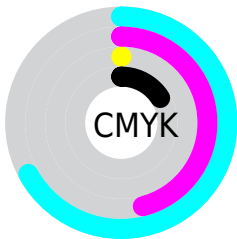
# Distribution



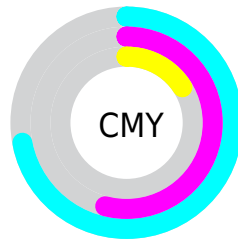
- Red (28%)
- Green (46%)
- Blue (84%)



- Red (28%)
- Yellow (42%)
- Blue (84%)



- Cyan (67%)
- Magenta (46%)
- Yellow (0%)
- Black (16%)



- Cyan (72%)
- Magenta (54%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4875D7 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 4875D7 by changing the saturation by 10% instead.



■ 4875D7

■ 4875D7

FFFFFF

■ 215DBB

■ 86A9FF

■ 00469F

■ A4C4FF

■ 003085

■ C2DFFF

■ 001D6B

■ E0FCFF

■ 000152

FEFFFF

■ 00053A

■ 000223

■ 00000B

■ 000000

■ 4875D7

■ 4875D7

■ 3366D7

■ 5E84D7

■ 1D58D7

■ 7392D7

■ 0849D7

■ 89A1D7

■ 0044D7

■ 9EB0D7

■ B4BFD7

■ C9CDD7

■ DFDCD7

■ F4EBD7

■ FFFAD7

# Harmonies

## Analogous

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



0085D8



4875D7



9D5FBD

# Triad

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



4875D7



C25A33



008E60

# Complementary

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



4875D7



D7AA48

# 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.



3C8930



4875D7



A36E09

# Square

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



4875D7



D04960



777F03



008F93

# Rectangle

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



4875D7



BB51A1



777F03



008D4F



# Sweetspot

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



4875D7



CCDCFF



48D7AA



616B80



000000



808080



# Same Dimension

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



4875D7



3373FF



6248D7



60646B



0036AB



000E2B



# Inverse Universe

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



D74875



FF3373



BDD748



6B6064



AB0036



2B000E



# Previews

## White Background



This preview shows how the Hex color 4875D7 looks on a white background.

## Color Contrast Check

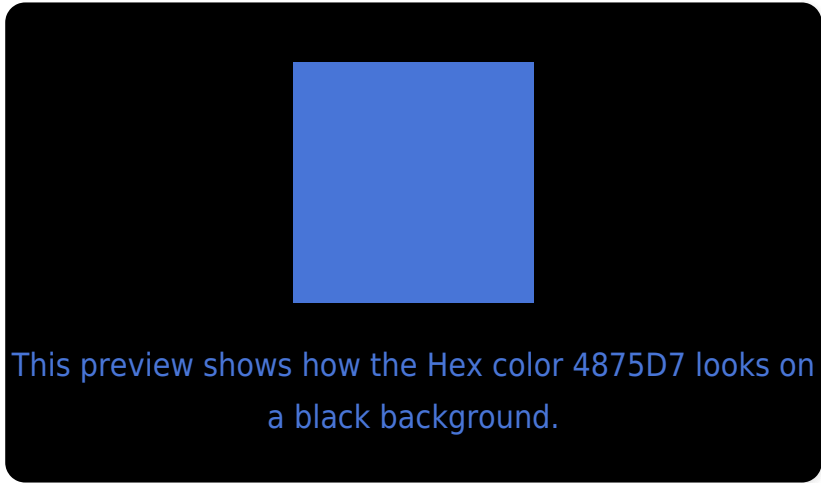
Large Text (above 18pt) WCAG AA ✓ Pass

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

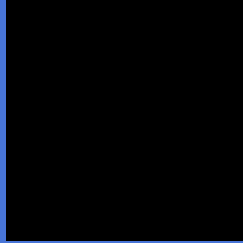
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4875D7 Background



This preview shows how black text looks on a background with the Hex color 4875D7.

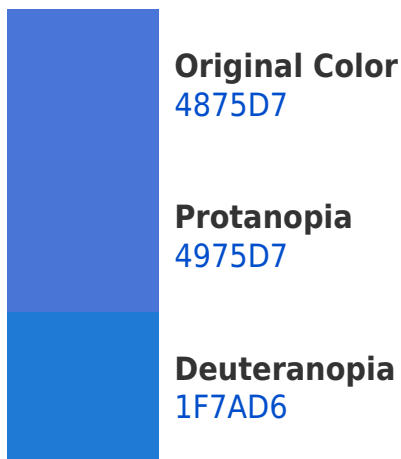


This preview shows how white text looks on a background with the Hex color 4875D7.

# 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](#).

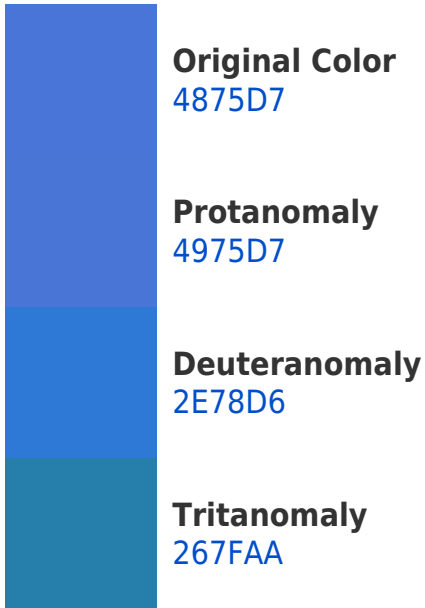
## Dichromacy



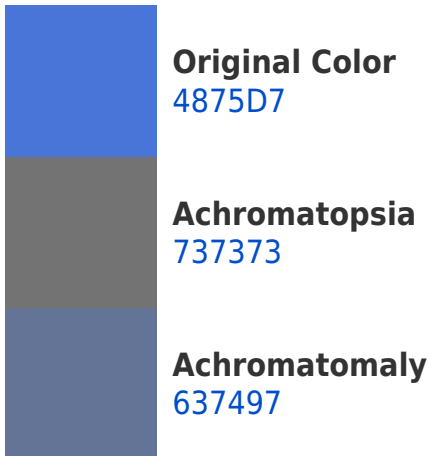


**Tritanopia**  
138590

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4875D7 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 #4875D7 looks like.

```
.text, #text, p{  
    color:#4875D7  
}
```

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 #4875D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4875D7  
}
```

## Border

The CSS property to change the border of an element to Hex 4875D7 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  
#4875D7 }
```

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

```
.border{ border-color:#4875D7 }
```

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

Here you see how a box with a 4 pixel #4875D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4875D7; -webkit-box-shadow:4px 4px  
4px 4px #4875D7; box-shadow:4px 4px 4px  
4px #4875D7 }
```

# Background

The CSS property to change the background color of an element to Hex 4875D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4875D7 }
```

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

```
.background{ background-color:#4875D7 }
```

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