

# Converting Colors

Hex(6875AD)

Have a look what the booklet for  
Hex(6875AD) contains.

|  |    |
|--|----|
| <b>Hex(6875AD)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

**Hex(6875AD)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 6875AD                      |
| RGB           | 104, 117, 173               |
| RGB Percent   | 41%, 46%, 68%               |
| CMY           | 0.5922, 0.5412, 0.3216      |
| CMYK          | 0.40, 0.32, 0.00, 0.32      |
| HSL           | 229°, 30%, 54%              |
| HSV           | 229°, 40%, 68%              |
| XYZ           | 19.6130, 18.6828, 42.1076   |
| YIQ           | 119.4970, -25.7240, 14.6600 |

# Conversions

## Conversions Part 2

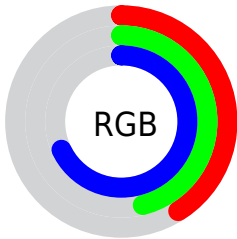
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">104, 115, 173</a>                                |
| Decimal                             | <a href="#">6845869</a>                                      |
| CIELab                              | <a href="#">50.31, 9.63, -31.38</a>                          |
| CIELCh                              | <a href="#">50, 32.822, 287.059</a>                          |
| Yxy                                 | <a href="#">18.6828, 0.2439, 0.2324</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4285035949</a><br>( <a href="#">0xFF6875AD</a> ) |
| YUV                                 | <a href="#">119.4970, 26.3770, -13.5909</a>                  |
| Hunter-Lab                          | <a href="#">43.2236, 5.3545, -27.5027</a>                    |

# Details

The Hex color **6875AD** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **ADA068**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **9EA9E5**, and **344578** is the 20% darker color. If you saturate the color by 10%, you get **5767AD**, and if you desaturate by 10%, it is **7983AD**.

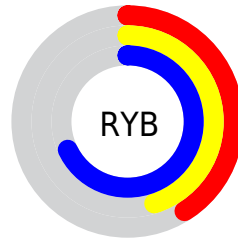
# Distribution



Red (41%)

Green (46%)

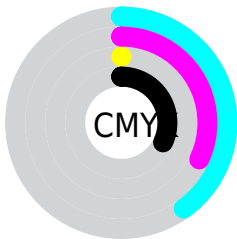
Blue (68%)



Red (41%)

Yellow (45%)

Blue (68%)

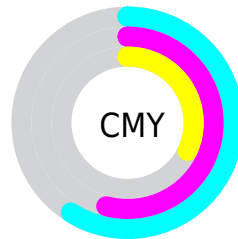


Cyan (40%)

Magenta (32%)

Yellow (0%)

Black (32%)



Cyan (59%)

Magenta (54%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6875AD 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 6875AD by changing the saturation by 10% instead.



■ 6875AD

■ 6875AD

FFFFFF

■ 4E5C92

■ 9EA9E5

■ 344578

■ B9C4FF

■ 192F5F

■ D6E0FF

■ 001B47

■ F2FDFF

■ 000031

■ 00011B

■ 000000

■ 6875AD

■ 6875AD

■ 5767AD

■ 7983AD

■ 4559AD

■ 8B91AD

■ 344BAD

■ 9C9FAD

■ 233DAD

■ ADADAD

■ 122FAD

■ BFBBAD

■ 0021AD

■ D0C9AD

■ E1D7AD

■ F2E5AD

■ FFF3AD

# Harmonies

## Analogous

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



327EAE



6875AD



8E6B9E

# Triad

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



6875AD



A76850



33866A

# Complementary

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



6875AD



ADA068

# 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.



5A8251



6875AD



947241

# Square

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



6875AD



AE6269



7A7B41



008687

# Rectangle

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



6875AD



A0658E



7A7B41



418561



# Sweetspot

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



6875AD



C5CBE0



68AD9F



606370



F0F0F0



707070



# Same Dimension

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



6875AD



7589E0



7D68AD



4E5057



001C96



000417



# Inverse Universe

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



AD6875



E07589



98AD68



574E50



96001C

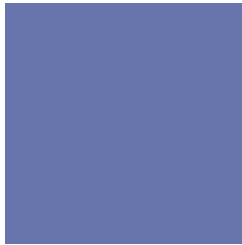


170004



# Previews

## White Background



This preview shows how the Hex color 6875AD looks on a white background.

## Color Contrast Check

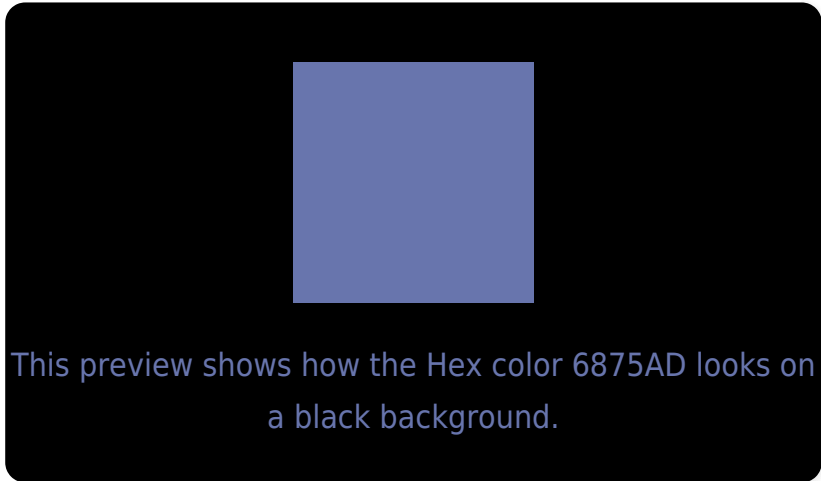
Large Text (above 18pt) WCAG AA ✓ Pass

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 6875AD Background



This preview shows how black text looks on a background with the Hex color 6875AD.



This preview shows how white text looks on a background with the Hex color 6875AD.

# 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



**Original Color**  
6875AD

**Protanopia**  
6576AE

**Deuteranopia**  
6277AD



**Tritanopia**  
5E7D87

# Trichromacy



**Original Color**  
6875AD

**Protanomaly**  
6676AE

**Deuteranomaly**  
6476AD

**Tritanomaly**  
627A95

# Monochromacy



**Original Color**  
6875AD

**Achromatopsia**  
777777

**Achromatomaly**  
72768B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6875AD 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 #6875AD looks like.

```
.text, #text, p{  
    color:#6875AD  
}
```

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 #6875AD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6875AD
}
```

## Border

The CSS property to change the border of an element to Hex 6875AD is called "border". The border property can be set on classes, ids or directly on the HTML element.

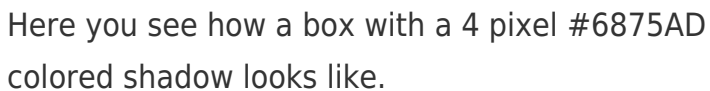
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6875AD }
```

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

```
.border{ border-color:#6875AD }
```

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



Here you see how a box with a 4 pixel #6875AD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6875AD; -webkit-box-shadow:4px 4px  
4px 4px #6875AD; box-shadow:4px 4px 4px  
4px #6875AD }
```

# Background

The CSS property to change the background color of an element to Hex 6875AD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6875AD }
```

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

```
.background{ background-color:#6875AD }
```

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