

# Converting Colors

Hex(427AAF)

Have a look what the booklet for  
Hex(427AAF) contains.

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# Color

**Hex(427AAF)**

# Conversions

| Conversions Part 1 |                            |
|--------------------|----------------------------|
| Format             | Color                      |
| Hex                | 427AAF                     |
| RGB                | 66, 122, 175               |
| RGB Percent        | 26%, 48%, 69%              |
| CMY                | 0.7412, 0.5216, 0.3137     |
| CMYK               | 0.62, 0.30, 0.00, 0.31     |
| HSL                | 209°, 45%, 47%             |
| HSV                | 209°, 62%, 69%             |
| XYZ                | 16.9442, 18.1725, 43.1720  |
| YIQ                | 111.2980, -50.3890, 4.6110 |

# Conversions

## Conversions Part 2

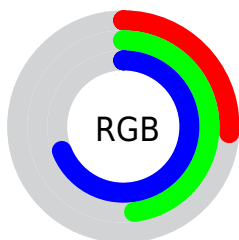
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">66, 103, 175</a>                |
| Decimal                             | <a href="#">4356783</a>                     |
| CIELab                              | <a href="#">49.70, -1.81, -33.65</a>        |
| CIELCh                              | <a href="#">50, 33.695, 266.929</a>         |
| Yxy                                 | <a href="#">18.1725, 0.2164, 0.2321</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4282546863</a><br>(0xFF427AAF)  |
| YUV                                 | <a href="#">111.2980, 31.4051, -39.7263</a> |
| Hunter-Lab                          | <a href="#">42.6292, -3.6512, -30.2046</a>  |

# Details

The Hex color **427AAF** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AF7742**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **7BAEE7**, and **004A7A** is the 20% darker color. If you saturate the color by 10%, you get **3171AF**, and if you desaturate by 10%, it is **5483AF**.

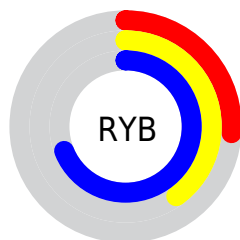
# Distribution



Red (26%)

Green (48%)

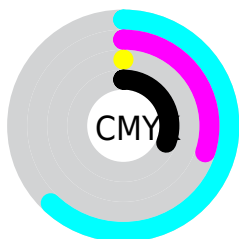
Blue (69%)



Red (26%)

Yellow (40%)

Blue (69%)

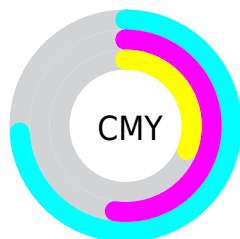


Cyan (62%)

Magenta (30%)

Yellow (0%)

Black (31%)



Cyan (74%)

Magenta (52%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 427AAF 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 427AAF by changing the saturation by 10% instead.



 427AAF

 427AAF

FFFFFF

 216194

 7BAEE7

 004A7A

 98C9FF

 003361

 B4E6FF

 001F49

 D1FFFF

 000432


 EFFFFFF

 00021C

 000000

 427AAF

 427AAF

 3171AF

 5483AF

 1F69AF

 658BAF

 0E60AF

 7794AF

 005AAF

 889CAF

 9AA5AF

 ABADAF

 BDB6AF

 CEBEAF

 E0C7AF

# Harmonies

## Analogous

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



0081A5



427AAF



7470A9

# Triad

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



427AAF



AC615E



4B8256

# Complementary

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



427AAF



AF7742

# 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.



6E7C42



427AAF



A16947

# Square

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



427AAF



AA5F7A



8B743C



198572

# Rectangle

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



427AAF



8D699D



8B743C



58804E



# Sweetspot

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



427AAF



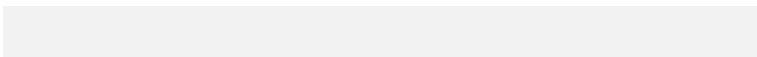
B8CEE3



42AF77



586673



F2F2F2



737373



# Same Dimension

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



427AAF



3990E3



4244AF



4E5257



004D96



000C17



# Inverse Universe

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



AF427A



E33990



AFAD42



574E52



96004D



17000C



# Previews

## White Background



This preview shows how the Hex color 427AAF looks on a white 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

# Black Background



This preview shows how the Hex color 427AAF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

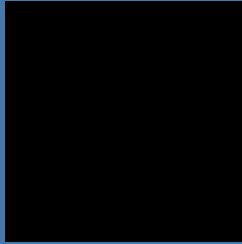
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 427AAF Background



This preview shows how black text looks on a background with the Hex color 427AAF.

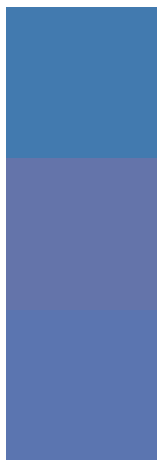


This preview shows how white text looks on a background with the Hex color 427AAF.

# 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**  
427AAF

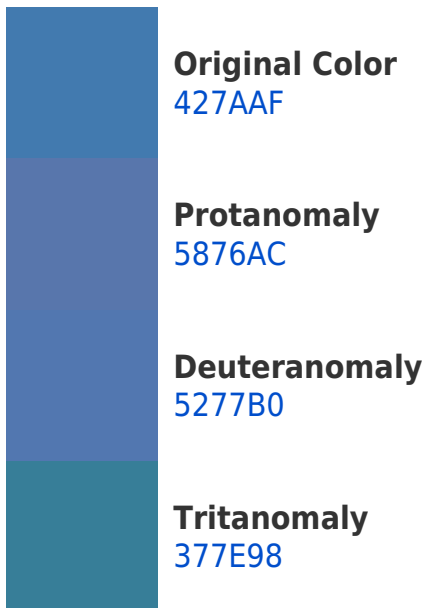
**Protanopia**  
6474AA

**Deuteranopia**  
5B75B0

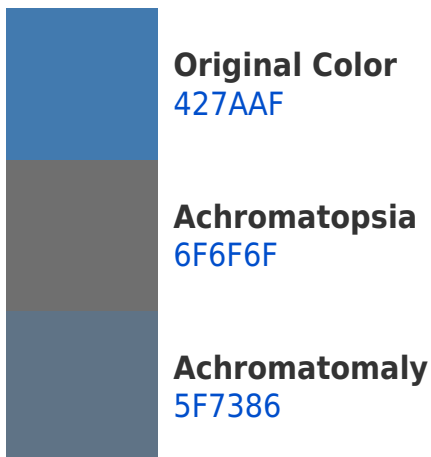


**Tritanopia**  
30818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 427AAF 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 #427AAF looks like.

```
.text, #text, p{  
    color:#427AAF  
}
```

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 #427AAF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #427AAF
}
```

## Border

The CSS property to change the border of an element to Hex 427AAF 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
#427AAF }
```

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

```
.border{ border-color:#427AAF }
```

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

Here you see how a box with a 4 pixel #427AAF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #427AAF; -webkit-box-shadow:4px 4px  
4px 4px #427AAF; box-shadow:4px 4px 4px  
4px #427AAF }
```

# Background

The CSS property to change the background color of an element to Hex 427AAF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#427AAF }
```

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

```
.background{ background-color:#427AAF }
```

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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