

# Converting Colors

Hex(5A428F)

Have a look what the booklet for  
Hex(5A428F) contains.

<b>Hex(5A428F)</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(5A428F)

# Conversions

## Conversions Part 1

Format	Color
Hex	5A428F
RGB	90, 66, 143
RGB Percent	35%, 26%, 56%
CMY	0.6471, 0.7412, 0.4392
CMYK	0.37, 0.54, 0.00, 0.44
HSL	259°, 37%, 41%
HSV	259°, 54%, 56%
XYZ	11.1226, 8.0533, 26.9548
YIQ	81.9540, -10.4130, 29.0350

# Conversions

## Conversions Part 2

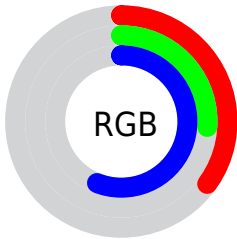
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 66, 143
Decimal	5915279
CIE <sub>Lab</sub>	34.09, 28.64, -39.21
CIE <sub>LCh</sub>	34, 48.560, 306.147
Yxy	8.0533, 0.2411, 0.1746
Android (android.graphics.Color)	4284105359 (0xFF5A428F)
YUV	81.9540, 30.0957, 7.0563
Hunter-Lab	28.3783, 20.2994, -36.4512

# Details

The Hex color **5A428F** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **778F42**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **8F73C5**, and **26165C** is the 20% darker color. If you saturate the color by 10%, you get **50348F**, and if you desaturate by 10%, it is **64508F**.

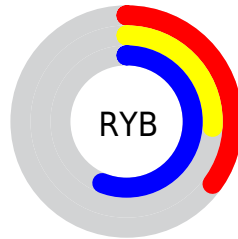
# Distribution



 Red (35%)

 Green (26%)

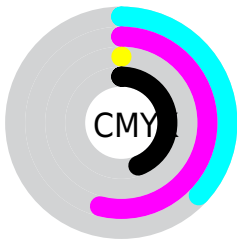
 Blue (56%)



 Red (35%)

 Yellow (26%)

 Blue (56%)

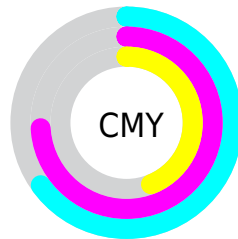


 Cyan (37%)

 Magenta (54%)

 Yellow (0%)

 Black (44%)



 Cyan (65%)

 Magenta (74%)

 Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A428F 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 5A428F by changing the saturation by 10% instead.



■ 5A428F

■ 5A428F

FFFFFF

■ 402B75

■ 8F73C5

■ 26165C

■ AA8CE2

■ 0B0044

■ C6A7FE

■ 00012D

■ E3C2FF

■ 000117

■ FFDEFF

■ 000000

■ FFFBFF

■ 5A428F

■ 5A428F

■ 50348F

■ 64508F

46258F

6E5F8F

3C178F

786D8F

33098F

817B8F

2D008F

8B8A8F

95988F

9FA68F

A9B48F

B3C38F

# Harmonies

## Analogous

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



00529D



5A428F



842E70

# Triad

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



5A428F



7A4200



006157

# Complementary

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



5A428F



778F42

# 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.



005F2F



5A428F



5A5100

# Square

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



5A428F



8E3025



315A05



00617D

# Rectangle

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



5A428F



912657



315A05



00614A



# Sweetspot

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



5A428F



A69CBA



42788F



524C5E



DEDEDE



5E5E5E



# Same Dimension

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



5A428F



6741BA



80428F



424047



2A0087



020008



# Inverse Universe

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



8F4277



BA4194



518F42



474045



87005D

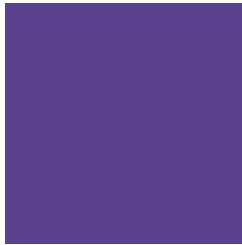


080005



# Previews

## White Background



This preview shows how the Hex color 5A428F looks on a white background.

## Color Contrast Check

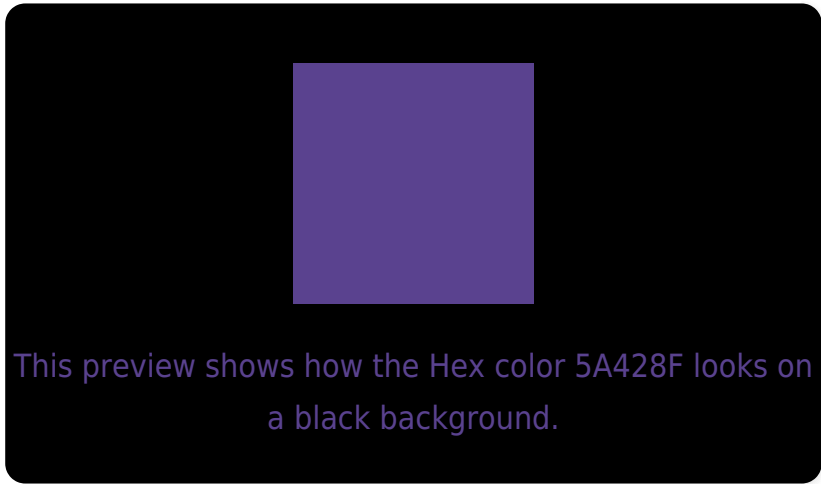
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

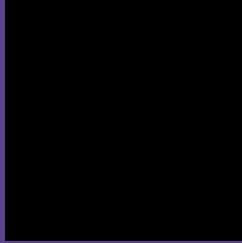
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A428F Background



This preview shows how black text looks on a background with the Hex color 5A428F.

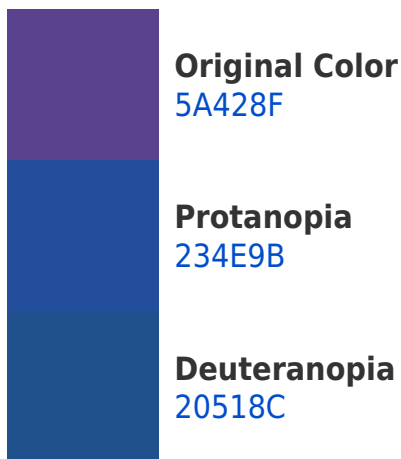


This preview shows how white text looks on a background with the Hex color 5A428F.

# 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**  
4E5057

# Trichromacy



**Original Color**  
5A428F

**Protanomaly**  
374A97

**Deuteranomaly**  
354C8D

**Tritanomaly**  
524B6B

# Monochromacy



**Original Color**  
5A428F

**Achromatopsia**  
525252

**Achromatomaly**  
554C68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A428F 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 #5A428F looks like.

```
.text, #text, p{  
    color:#5A428F  
}
```

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 #5A428F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A428F
}
```

## Border

The CSS property to change the border of an element to Hex 5A428F 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
#5A428F }
```

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

```
.border{ border-color:#5A428F }
```

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

Here you see how a box with a 4 pixel #5A428F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A428F; -webkit-box-shadow:4px 4px  
4px 4px #5A428F; box-shadow:4px 4px 4px  
4px #5A428F }
```

# Background

The CSS property to change the background color of an element to Hex 5A428F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A428F }
```

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

```
.background{ background-color:#5A428F }
```

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