

# Converting Colors

Hex(574BAA)

Have a look what the booklet for  
Hex(574BAA) contains.

<b>Hex(574BAA)</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(574BAA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	574BAA
RGB	87, 75, 170
RGB Percent	34%, 29%, 67%
CMY	0.6588, 0.7059, 0.3333
CMYK	0.49, 0.56, 0.00, 0.33
HSL	248°, 39%, 48%
HSV	248°, 56%, 67%
XYZ	13.7023, 9.9607, 39.2306
YIQ	89.4180, -23.3430, 32.0890

# Conversions

## Conversions Part 2

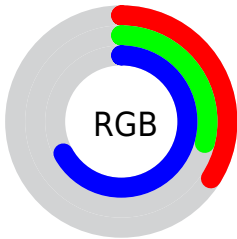
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 75, 170
Decimal	5721002
CIE Lab	37.77, 30.40, -49.61
CIE LCh	38, 58.179, 301.500
Yxy	9.9607, 0.2179, 0.1584
Android (android.graphics.Color)	4283911082 (0xFF574BAA)
YUV	89.4180, 39.7269, -2.1206
Hunter-Lab	31.5605, 22.2663, -51.6068

# Details

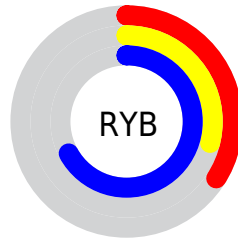
The Hex color **574BAA** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **9EAA4B**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **8E7CE2**, and **1B1E75** is the 20% darker color. If you saturate the color by 10%, you get **483AAA**, and if you desaturate by 10%, it is **665CAA**.

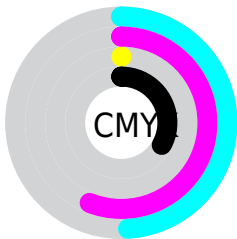
# Distribution



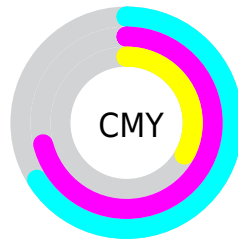
- Red (34%)
- Green (29%)
- Blue (67%)



- Red (34%)
- Yellow (29%)
- Blue (67%)



- Cyan (49%)
- Magenta (56%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (71%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 574BAA 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 574BAA by changing the saturation by 10% instead.



■ 574BAA

■ 574BAA

FFFFFF

■ 3B348F

■ 8E7CE2

■ 1B1E75

■ AA96FF

■ 000A5C

■ C7B1FF

■ 000044

■ E4CDFF

■ 00032C

■ FFE9FF

■ 000117

■ 000000

■ 574BAA

■ 574BAA

■ 483AAA

■ 665CAA

■ 3929AA

■ 756DAA

■ 2A18AA

■ 847EAA

■ 1C07AA

■ 928FAA

■ 1500AA

■ A1A0AA

■ B0B1AA

■ BFC2AA

■ CED3AA

■ DDE4AA

# Harmonies

## Analogous

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



005EB8



574BAA



923087

# Triad

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



574BAA



8F4400



006D5A

# Complementary

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



574BAA



9EAA4B

# 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.



006A28



574BAA



6A5800

# Square

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



574BAA



A62B2B



3A6400



006D89

# Rectangle

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



574BAA



A42068



3A6400



006C49



# Sweetspot

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



574BAA



BDB8DE



4B9FAA



5D5A70



F0F0F0



707070



# Same Dimension

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



574BAA



5C49DE



864BAA



4D4C54



130094



030014



# Inverse Universe

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



AA4B9E



DE49CB



6FAA4B



544C53



940081

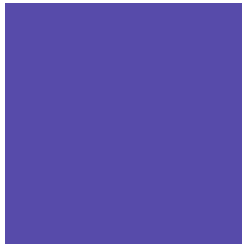


140012



# Previews

## White Background



This preview shows how the Hex color 574BAA looks on a white background.

## Color Contrast Check

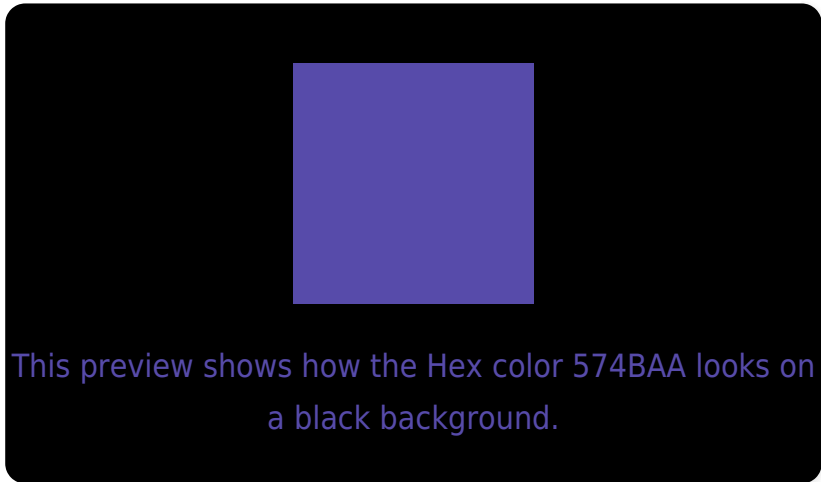
Large Text (above 18pt) WCAG AA ✓ Pass

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

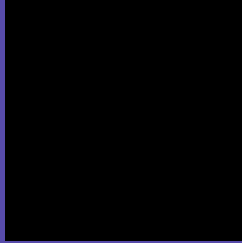
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 574BAA Background



This preview shows how black text looks on a background with the Hex color 574BAA.

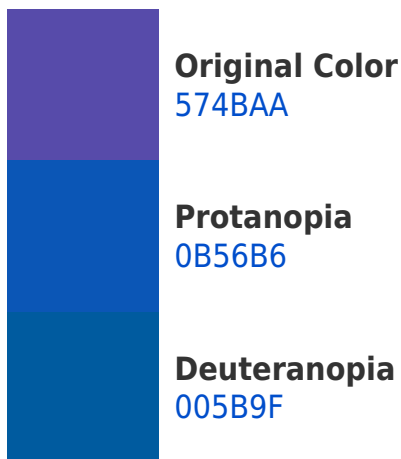



This preview shows how white text looks on a background with the Hex color 574BAA.

# 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**  
435D65

# Trichromacy



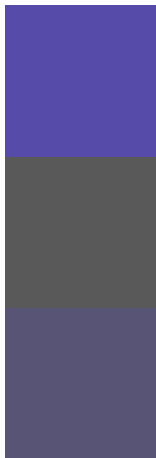
**Original Color**  
574BAA

**Protanomaly**  
2752B2

**Deuteranomaly**  
2055A3

**Tritanomaly**  
4A567E

# Monochromacy



**Original Color**  
574BAA

**Achromatopsia**  
595959

**Achromatomaly**  
585476

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 574BAA 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 #574BAA looks like.

```
.text, #text, p{  
    color:#574BAA  
}
```

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 #574BAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #574BAA
}
```

## Border

The CSS property to change the border of an element to Hex 574BAA 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
#574BAA }
```

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

```
.border{ border-color:#574BAA }
```

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

Here you see how a box with a 4 pixel #574BAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #574BAA; -webkit-box-shadow:4px 4px  
4px 4px #574BAA; box-shadow:4px 4px 4px  
4px #574BAA }
```

# Background

The CSS property to change the background color of an element to Hex 574BAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#574BAA }
```

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

```
.background{ background-color:#574BAA }
```

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