

# Converting Colors

Hex(4E58A0)

Have a look what the booklet for  
Hex(4E58A0) contains.

<b>Hex(4E58A0)</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(4E58A0)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E58A0
RGB	78, 88, 160
RGB Percent	31%, 35%, 63%
CMY	0.6941, 0.6549, 0.3725
CMYK	0.51, 0.45, 0.00, 0.37
HSL	233°, 34%, 47%
HSV	233°, 51%, 63%
XYZ	12.9768, 11.1372, 34.7235
YIQ	93.2180, -29.0720, 20.2720

# Conversions

## Conversions Part 2

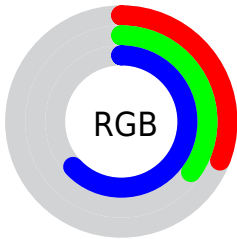
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	78, 87, 160
Decimal	5134496
CIE Lab	39.81, 16.90, -40.42
CIE LCh	40, 43.807, 292.690
Yxy	11.1372, 0.2206, 0.1893
Android (android.graphics.Color)	4283324576 (0xFF4E58A0)
YUV	93.2180, 32.9235, -13.3462
Hunter-Lab	33.3725, 11.0073, -38.3295

# Details

The Hex color **4E58A0** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A0964E**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **848AD7**, and **122B6C** is the 20% darker color. If you saturate the color by 10%, you get **3E4AA0**, and if you desaturate by 10%, it is **5E66A0**.

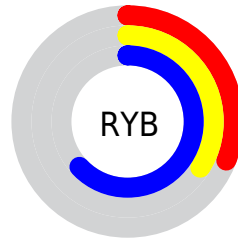
# Distribution



Red (31%)

Green (35%)

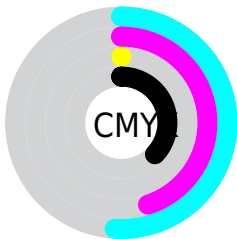
Blue (63%)



Red (31%)

Yellow (34%)

Blue (63%)

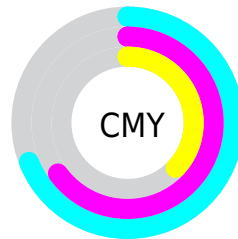


Cyan (51%)

Magenta (45%)

Yellow (0%)

Black (37%)



Cyan (69%)

Magenta (65%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E58A0 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 4E58A0 by changing the saturation by 10% instead.



■ 4E58A0

■ 4E58A0

FFFFFF

■ 334186

■ 848AD7

■ 122B6C

■ A0A4F4

■ 001753

■ BCBFFF

■ 00003C

■ D8DBFF

■ 000225

■ F6F7FF

■ 00010D

■ 000000

■ 4E58A0

■ 4E58A0

■ 3E4AA0

■ 5E66A0

■ 2E3CA0

■ 6E74A0

■ 1E2EA0

■ 7E82A0

■ 0E20A0

■ 8E90A0

■ 0014A0

■ 9E9EA0

■ AEACA0

■ BEBAA0

■ CEC8A0

■ DED6A0

# Harmonies

## Analogous

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



0064A5



4E58A0



81488A

# Triad

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



4E58A0



914B25



006E54

# Complementary

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



4E58A0



A0964E

# 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.



276B30



4E58A0



78590F

# Square

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



4E58A0



9E3E44



566414



006F78

# Rectangle

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



4E58A0



943F74



566414



006D47



# Sweetspot

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



4E58A0



B2B6D1



4EA095



565869



E8E8E8



696969



# Same Dimension

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



4E58A0



4F5FD1



6C4EA0



47484F



00118F



00020F



# Inverse Universe

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



A04E58



D14F5F



82A04E



4F4748



8F0011

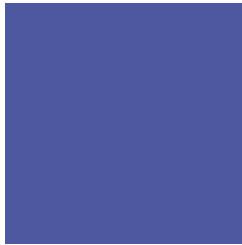


0F0002



# Previews

## White Background



This preview shows how the Hex color 4E58A0 looks on a white background.

## Color Contrast Check

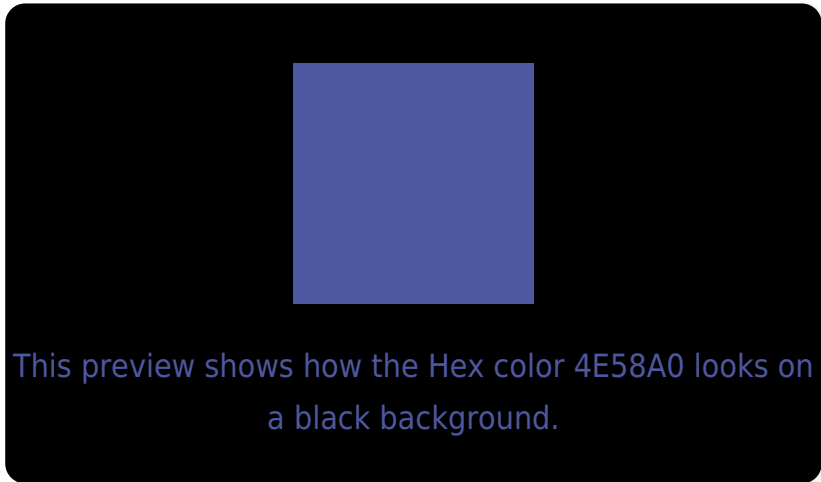
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

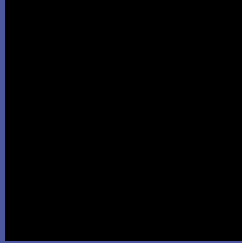
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4E58A0 Background



This preview shows how black text looks on a background with the Hex color 4E58A0.

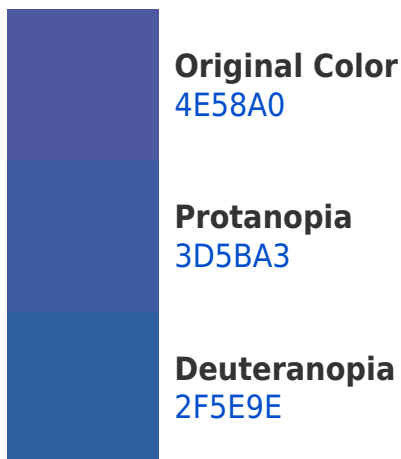



This preview shows how white text looks on a background with the Hex color 4E58A0.

# 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**  
3D646C

# Trichromacy



**Original Color**  
4E58A0

**Protanomaly**  
435AA2

**Deuteranomaly**  
3A5C9F

**Tritanomaly**  
43607F

# Monochromacy



**Original Color**  
4E58A0

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
585B75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E58A0 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 #4E58A0 looks like.

```
.text, #text, p{  
    color:#4E58A0  
}
```

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 #4E58A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E58A0
}
```

## Border

The CSS property to change the border of an element to Hex 4E58A0 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
#4E58A0 }
```

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

```
.border{ border-color:#4E58A0 }
```

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

Here you see how a box with a 4 pixel #4E58A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E58A0; -webkit-box-shadow:4px 4px  
4px 4px #4E58A0; box-shadow:4px 4px 4px  
4px #4E58A0 }
```

# Background

The CSS property to change the background color of an element to Hex 4E58A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E58A0 }
```

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

```
.background{ background-color:#4E58A0 }
```

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