

# Converting Colors

Hex(4E87B9)

Have a look what the booklet for  
Hex(4E87B9) contains.

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# Color

**Hex(4E87B9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E87B9
RGB	78, 135, 185
RGB Percent	31%, 53%, 73%
CMY	0.6941, 0.4706, 0.2745
CMYK	0.58, 0.27, 0.00, 0.27
HSL	208°, 43%, 52%
HSV	208°, 58%, 73%
XYZ	20.5628, 22.4504, 49.1485
YIQ	123.6570, -50.0220, 3.4660

# Conversions

## Conversions Part 2

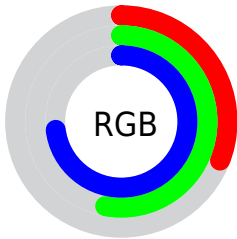
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 115, 185
Decimal	5146553
CIE <sub>Lab</sub>	54.50, -3.73, -31.86
CIE <sub>LCh</sub>	55, 32.082, 263.328
Yxy	22.4504, 0.2231, 0.2436
Android (android.graphics.Color)	4283336633 (0xFF4E87B9)
YUV	123.6570, 30.2421, -40.0412
Hunter-Lab	47.3819, -5.4528, -28.3333

# Details

The Hex color **4E87B9** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B9804E**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **87BCF1**, and **015684** is the 20% darker color. If you saturate the color by 10%, you get **3C7EB9**, and if you desaturate by 10%, it is **6190B9**.

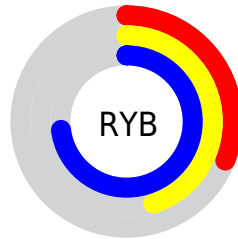
# Distribution



Red (31%)

Green (53%)

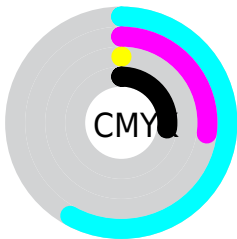
Blue (73%)



Red (31%)

Yellow (45%)

Blue (73%)

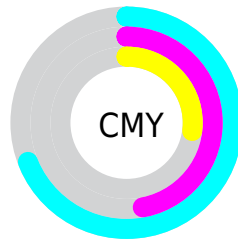


Cyan (58%)

Magenta (27%)

Yellow (0%)

Black (27%)



Cyan (69%)

Magenta (47%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E87B9 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 4E87B9 by changing the saturation by 10% instead.



■ 4E87B9

■ 4E87B9

FFFFFF

■ 306E9E

■ 87BCF1

■ 015684

■ A3D8FF

■ 003F6A

■ C0F4FF

■ 002952

■ DDFFFF

■ 00153A

■ FAFFFF

■ 000224

■ 00000C

■ 000000

■ 4E87B9

■ 4E87B9

■ 3C7EB9

■ 6190B9

■ 2976B9

■ 7398B9

■ 166DB9

■ 85A1B9

■ 0464B9

■ 98AAB9

■ 0063B9

■ ABB2B9

■ BDBBB9

■ D0C4B9

■ E2CCB9

■ F5D5B9

# Harmonies

## Analogous

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



148EAE



4E87B9



7C7DB5

# Triad

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



4E87B9



B86E6E



5E8E60

# Complementary

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



4E87B9



B9804E

# 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.



7E874E



4E87B9



AE7557

# Square

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



4E87B9



B46D8A



9A7F4B



38917B

# Rectangle

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



4E87B9



9577AB



9A7F4B



698C59



# Sweetspot

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



4E87B9



C7DDF0



4EB980



606D78



F7F7F7



787878



# Same Dimension

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



4E87B9



4AA2F0



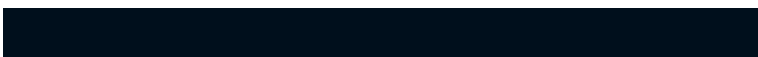
4E52B9



53585C



00539C



000F1C



# Inverse Universe

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



B94E87



F04AA2



B9B54E



5C5358



9C0053



1C000F



# Previews

## White Background



This preview shows how the Hex color 4E87B9 looks on a white background.

## Color Contrast Check

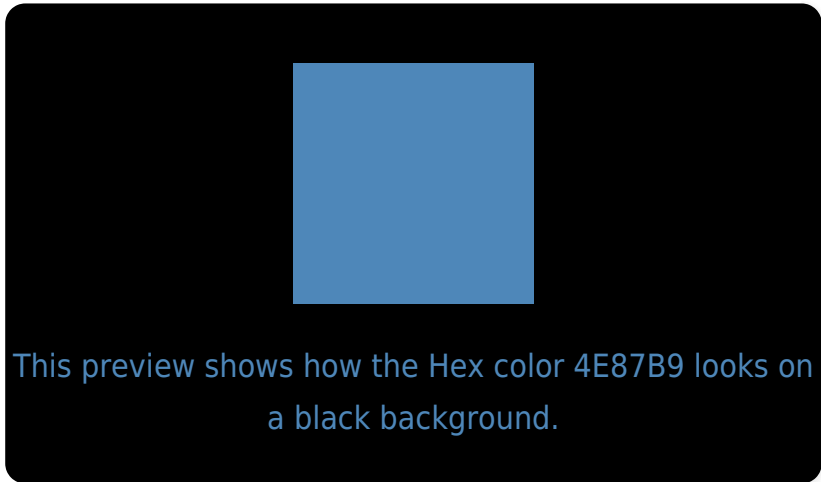
Large Text (above 18pt) WCAG AA ✓ Pass

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

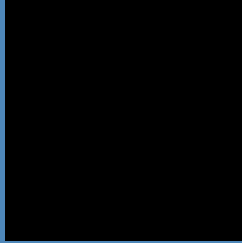
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 4E87B9 Background



This preview shows how black text looks on a background with the Hex color 4E87B9.

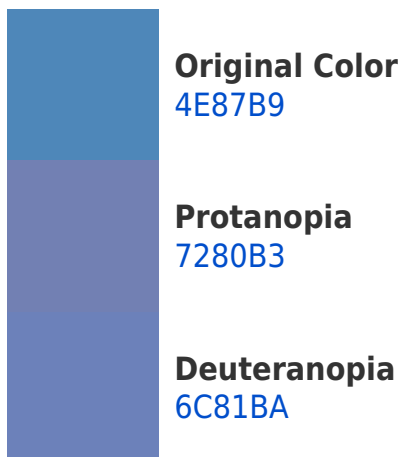


This preview shows how white text looks on a background with the Hex color 4E87B9.

# 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](#).

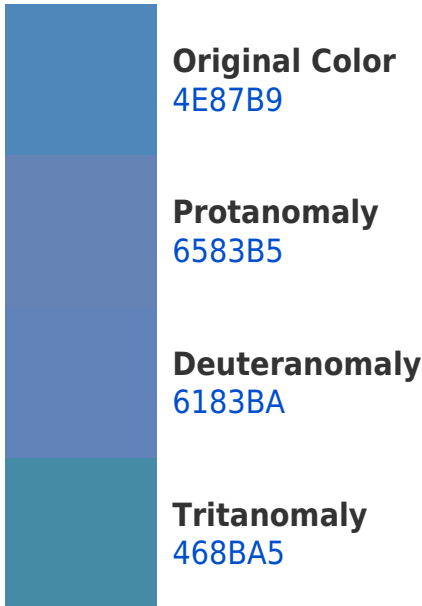
## Dichromacy





**Tritanopia**  
418D99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E87B9 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 #4E87B9 looks like.

```
.text, #text, p{  
    color:#4E87B9  
}
```

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 #4E87B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E87B9
}
```

## Border

The CSS property to change the border of an element to Hex 4E87B9 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
#4E87B9 }
```

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

```
.border{ border-color:#4E87B9 }
```

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

Here you see how a box with a 4 pixel #4E87B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E87B9; -webkit-box-shadow:4px 4px  
4px 4px #4E87B9; box-shadow:4px 4px 4px  
4px #4E87B9 }
```

# Background

The CSS property to change the background color of an element to Hex 4E87B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E87B9 }
```

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

```
.background{ background-color:#4E87B9 }
```

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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