

# Converting Colors

Hex(4E4D87)

Have a look what the booklet for  
Hex(4E4D87) contains.

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# Color

Hex(4E4D87)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E4D87
RGB	78, 77, 135
RGB Percent	31%, 30%, 53%
CMY	0.6941, 0.6980, 0.4706
CMYK	0.42, 0.43, 0.00, 0.47
HSL	241°, 27%, 42%
HSV	241°, 43%, 53%
XYZ	10.1689, 8.6767, 24.0605
YIQ	83.9110, -18.0220, 18.2500

# Conversions

## Conversions Part 2

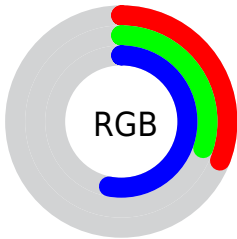
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 77, 135
Decimal	5131655
CIE <sub>Lab</sub>	35.35, 16.01, -32.37
CIE <sub>LCh</sub>	35, 36.115, 296.315
Yxy	8.6767, 0.2370, 0.2022
Android (android.graphics.Color)	4283321735 (0xFF4E4D87)
YUV	83.9110, 25.1869, -5.1839
Hunter-Lab	29.4563, 10.0735, -27.8099

# Details

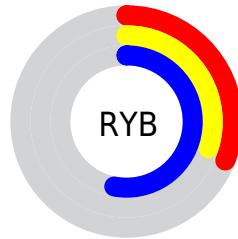
The Hex color **4E4D87** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **86874D**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **827EBD**, and **1B2155** is the 20% darker color. If you saturate the color by 10%, you get **413F87**, and if you desaturate by 10%, it is **5B5A87**.

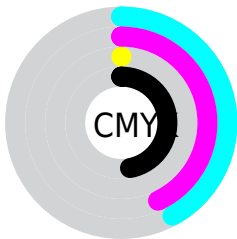
# Distribution



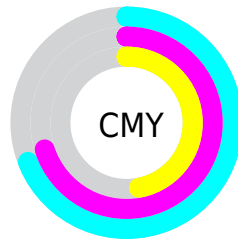
- Red (31%)
- Green (30%)
- Blue (53%)



- Red (31%)
- Yellow (30%)
- Blue (53%)



- Cyan (42%)
- Magenta (43%)
- Yellow (0%)
- Black (47%)



- Cyan (69%)
- Magenta (70%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E4D87 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 4E4D87 by changing the saturation by 10% instead.



■ 4E4D87

■ 4E4D87

FFFFFF

■ 35366D

■ 827EBD

■ 1B2155

■ 9D98D9

■ 000C3D

■ B8B2F5

■ 000327

■ D4CEFF

■ 000110

■ F1EAFF

■ 000000

■ 4E4D87

■ 4E4D87

■ 413F87

■ 5B5A87

■ 333287

■ 696887

■ 262587

■ 767687

■ 191787

■ 838387

■ 0C0A87

■ 909187

■ 020087

■ 9E9E87

■ ABAC87

■ B8B987

■ C5C787

# Harmonies

## Analogous

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



00578D



4E4D87



734174

# Triad

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



4E4D87



7B4523



00614F

# Complementary

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



4E4D87



86874D

# 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.



245E32



4E4D87



665016

# Square

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



4E4D87



873C3B



4A591C



00616C

# Rectangle

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



4E4D87



813B62



4A591C



006045



# Sweetspot

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



4E4D87



9999B0



4D8687



4B4B59



D9D9D9



595959



# Same Dimension

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



4E4D87



5654B0



6B4D87



3C3C42



020082



000003



# Inverse Universe

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



874D86



B054AE



69874D



423C42



820080



030003



# Previews

## White Background



This preview shows how the Hex color 4E4D87 looks on a white background.

## Color Contrast Check

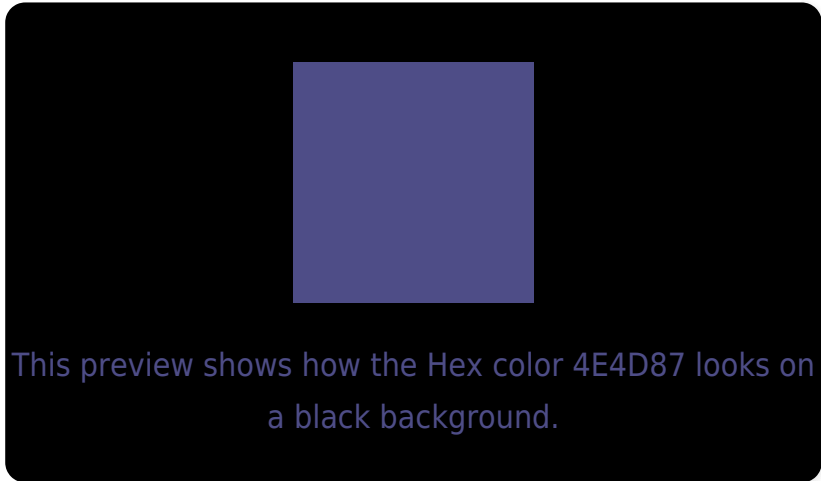
Large Text (above 18pt) WCAG AA ✓ Pass

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

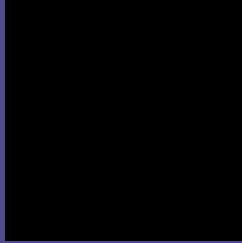
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4E4D87 Background



This preview shows how black text looks on a background with the Hex color 4E4D87.



This preview shows how white text looks on a background with the Hex color 4E4D87.

# 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](#).

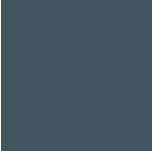
## Dichromacy



**Original Color**  
4E4D87

**Protanopia**  
3B518B

**Deuteranopia**  
365386



**Tritanopia**  
43565D

# Trichromacy



**Original Color**  
4E4D87

**Protanomaly**  
42508A

**Deuteranomaly**  
3F5186

**Tritanomaly**  
47536C

# Monochromacy



**Original Color**  
4E4D87

**Achromatopsia**  
545454

**Achromatomaly**  
525167

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E4D87 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 #4E4D87 looks like.

```
.text, #text, p{  
    color:#4E4D87  
}
```

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 #4E4D87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E4D87
}
```

## Border

The CSS property to change the border of an element to Hex 4E4D87 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
#4E4D87 }
```

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

```
.border{ border-color:#4E4D87 }
```

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

Here you see how a box with a 4 pixel #4E4D87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E4D87; -webkit-box-shadow:4px 4px  
4px 4px #4E4D87; box-shadow:4px 4px 4px  
4px #4E4D87 }
```

# Background

The CSS property to change the background color of an element to Hex 4E4D87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E4D87 }
```

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

```
.background{ background-color:#4E4D87 }
```

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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