

# Converting Colors

Hex(4E6A8D)

Have a look what the booklet for  
Hex(4E6A8D) contains.

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# Color

**Hex(4E6A8D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E6A8D
RGB	78, 106, 141
RGB Percent	31%, 42%, 55%
CMY	0.6941, 0.5843, 0.4471
CMYK	0.45, 0.25, 0.00, 0.45
HSL	213°, 29%, 43%
HSV	213°, 45%, 55%
XYZ	13.1036, 13.8509, 27.1821
YIQ	101.6180, -27.9230, 4.9490

# Conversions

## Conversions Part 2

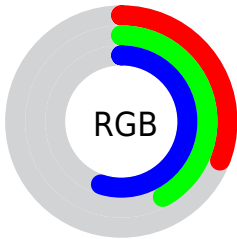
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 97, 141
Decimal	5139085
CIE <sub>Lab</sub>	44.02, -0.40, -22.45
CIE <sub>LCh</sub>	44, 22.456, 268.976
Yxy	13.8509, 0.2420, 0.2558
Android (android.graphics.Color)	4283329165 (0xFF4E6A8D)
YUV	101.6180, 19.4153, -20.7130
Hunter-Lab	37.2167, -2.2812, -17.2522

# Details

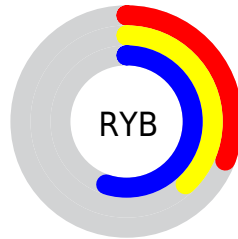
The Hex color **4E6A8D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8D714E**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **829DC3**, and **1A3B5B** is the 20% darker color. If you saturate the color by 10%, you get **40628D**, and if you desaturate by 10%, it is **5C728D**.

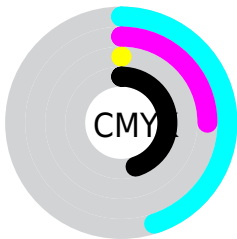
# Distribution



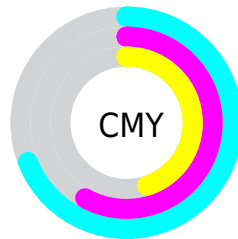
- Red (31%)
- Green (42%)
- Blue (55%)



- Red (31%)
- Yellow (38%)
- Blue (55%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (45%)



- Cyan (69%)
- Magenta (58%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E6A8D 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 4E6A8D by changing the saturation by 10% instead.





4E6A8D



4E6A8D

FFFFFF



355273



829DC3



1A3B5B



9DB8DF



002643



B8D4FB



00102D



D4F0FF



000118



F1FFFF



000000



4E6A8D



4E6A8D



40628D



5C728D



325A8D



6A7A8D

■ 24538D

■ 78828D

■ 164B8D

■ 86898D

■ 08438D

■ 95918D

■ 003F8D

■ A3998D

■ B1A18D

■ BFA98D

■ CDB18D

# Harmonies

## Analogous

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



336F87



4E6A8D



6A6389

# Triad

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



4E6A8D



8D5B57



4C7054

# Complementary

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



4E6A8D



8D714E

# 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.



626C47



4E6A8D



856049

# Square

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



4E6A8D



8B5A69



766743



377267

# Rectangle

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



4E6A8D



795F81



766743



546F4F



# Sweetspot

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



4E6A8D



A0AAB8



4E8D71



4D545C



DBDBDB



5C5C5C



# Same Dimension

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



4E6A8D



5481B8



514E8D



404347



003C87



000308



# Inverse Universe

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



8D4E6A



B85481



8A8D4E



474043



87003C



080003



# Previews

## White Background



This preview shows how the Hex color 4E6A8D looks on a white background.

## Color Contrast Check

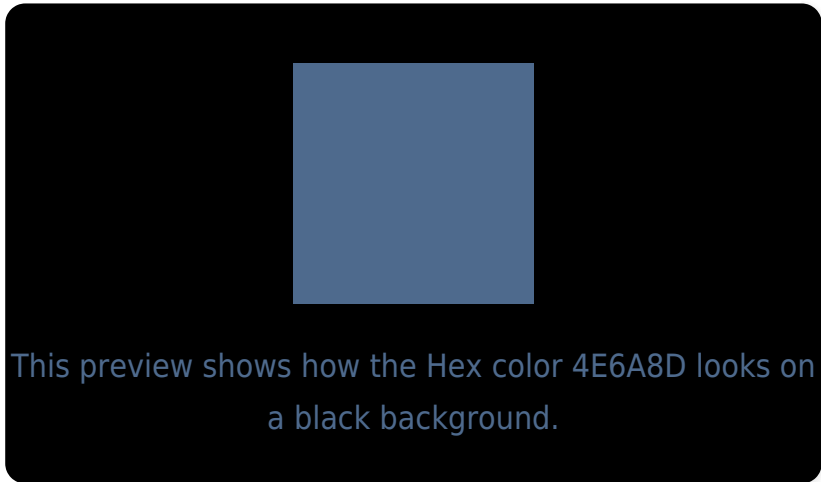
Large Text (above 18pt) WCAG AA ✓ Pass

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 4E6A8D Background



This preview shows how black text looks on a background with the Hex color 4E6A8D.

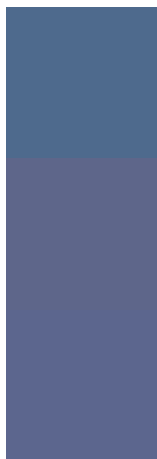


This preview shows how white text looks on a background with the Hex color 4E6A8D.

# 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**

4E6A8D

**Protanopia**

5E668A

**Deuteranopia**

5C668E



**Tritanopia**  
486E77

# Trichromacy



**Original Color**  
4E6A8D

**Protanomaly**  
58678B

**Deuteranomaly**  
57678E

**Tritanomaly**  
4A6D7F

# Monochromacy



**Original Color**  
4E6A8D

**Achromatopsia**  
666666

**Achromatomaly**  
5D6774

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E6A8D 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 #4E6A8D looks like.

```
.text, #text, p{  
    color:#4E6A8D  
}
```

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 #4E6A8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E6A8D
}
```

## Border

The CSS property to change the border of an element to Hex 4E6A8D 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
#4E6A8D }
```

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

```
.border{ border-color:#4E6A8D }
```

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

Here you see how a box with a 4 pixel #4E6A8D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E6A8D; -webkit-box-shadow:4px 4px  
4px 4px #4E6A8D; box-shadow:4px 4px 4px  
4px #4E6A8D }
```

# Background

The CSS property to change the background color of an element to Hex 4E6A8D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E6A8D }
```

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

```
.background{ background-color:#4E6A8D }
```

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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