

# Converting Colors

Hex(4A4B71)

Have a look what the booklet for  
Hex(4A4B71) contains.

<b>Hex(4A4B71)</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(4A4B71)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A4B71
RGB	74, 75, 113
RGB Percent	29%, 29%, 44%
CMY	0.7098, 0.7059, 0.5569
CMYK	0.35, 0.34, 0.00, 0.56
HSL	238°, 21%, 37%
HSV	238°, 35%, 44%
XYZ	8.3208, 7.6803, 16.6667
YIQ	79.0330, -12.7940, 11.6060

# Conversions

## Conversions Part 2

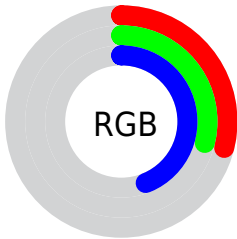
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 75, 113
Decimal	4868977
CIE <sub>Lab</sub>	33.31, 9.48, -21.97
CIE <sub>LCh</sub>	33, 23.930, 293.335
Yxy	7.6803, 0.2547, 0.2351
Android (android.graphics.Color)	4283059057 (0xFF4A4B71)
YUV	79.0330, 16.7457, -4.4139
Hunter-Lab	27.7133, 5.0954, -16.2575

# Details

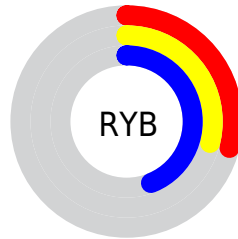
The Hex color **4A4B71** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **71704A**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **7C7CA5**, and **1B1F41** is the 20% darker color. If you saturate the color by 10%, you get **3F4071**, and if you desaturate by 10%, it is **555671**.

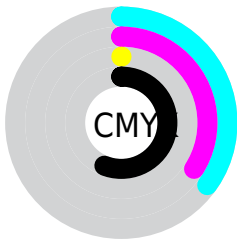
# Distribution



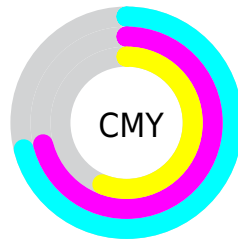
- Red (29%)
- Green (29%)
- Blue (44%)



- Red (29%)
- Yellow (29%)
- Blue (44%)



- Cyan (35%)
- Magenta (34%)
- Yellow (0%)
- Black (56%)



- Cyan (71%)
- Magenta (71%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A4B71 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 4A4B71 by changing the saturation by 10% instead.





4A4B71



4A4B71

FFFFFF



323458



7C7CA5



1B1F41



9695C0



06072B



B1B0DC



000115



CDCCF9



000000



E9E8FF



4A4B71



4A4B71



3F4071



555671



333571



616171

■ 282A71

■ 6C6C71

■ 1D1F71

■ 777771

■ 121471

■ 838271

■ 060971

■ 8E8D71

■ 000371

■ 999871

■ A4A371

■ B0AE71

# Harmonies

## Analogous

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



295274



4A4B71



624465

# Triad

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



4A4B71



6C4531



195849

# Complementary

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



4A4B71



71704A

# 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.



355637



4A4B71



5E4C28

# Square

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



4A4B71



734040



4B522B



00585D

# Rectangle

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



4A4B71



6C415A



4B522B



245843



# Sweetspot

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



4A4B71



858594



4A7170



41414A



C9C9C9



4A4A4A



# Same Dimension

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



4A4B71



575994



5C4A71



323338



000378



0006F7



# Inverse Universe

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



714A4B



945759



5F714A



383233



780003



F70006



# Previews

## White Background



This preview shows how the Hex color 4A4B71 looks on a white background.

## Color Contrast Check

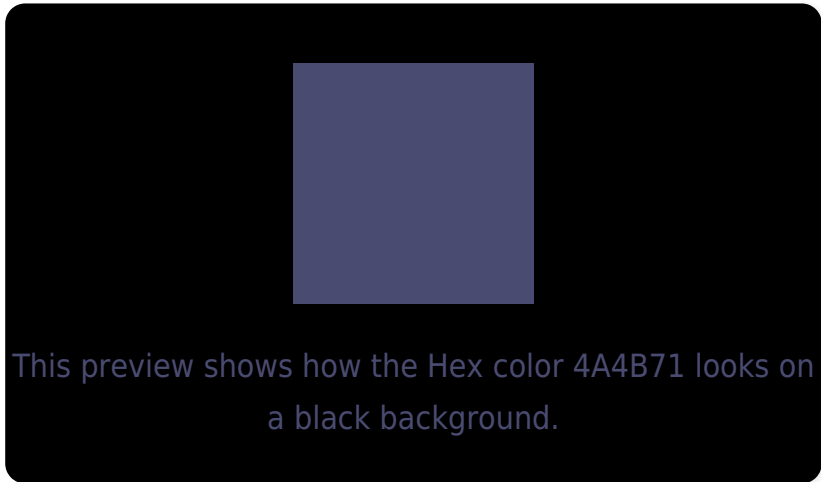
Large Text (above 18pt) WCAG AA ✓ Pass

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

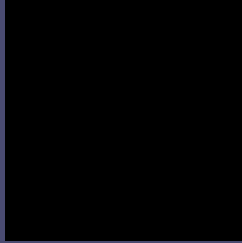
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4A4B71 Background



This preview shows how black text looks on a background with the Hex color 4A4B71.

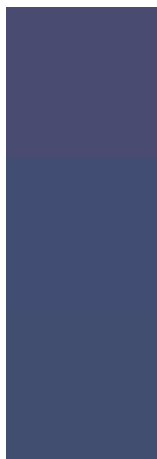


This preview shows how white text looks on a background with the Hex color 4A4B71.

# 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**

4A4B71

**Protanopia**

424D73

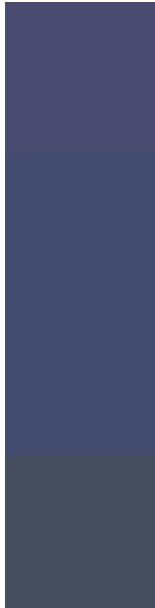
**Deuteranopia**

414E70



**Tritanopia**  
445057

# Trichromacy



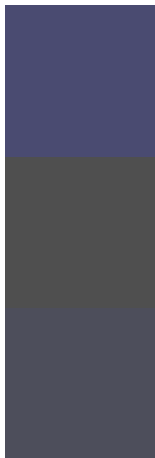
**Original Color**  
4A4B71

**Protanomaly**  
454C72

**Deuteranomaly**  
444D70

**Tritanomaly**  
464E60

# Monochromacy



**Original Color**  
4A4B71

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
4D4E5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A4B71 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 #4A4B71 looks like.

```
.text, #text, p{  
    color:#4A4B71  
}
```

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 #4A4B71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A4B71  
}
```

## Border

The CSS property to change the border of an element to Hex 4A4B71 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  
#4A4B71 }
```

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

```
.border{ border-color:#4A4B71 }
```

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

Here you see how a box with a 4 pixel #4A4B71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A4B71; -webkit-box-shadow:4px 4px  
4px 4px #4A4B71; box-shadow:4px 4px 4px  
4px #4A4B71 }
```

# Background

The CSS property to change the background color of an element to Hex 4A4B71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A4B71 }
```

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

```
.background{ background-color:#4A4B71 }
```

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