

Converting Colors

Hex(4640B6)

Have a look what the booklet for
Hex(4640B6) contains.

Hex(4640B6)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(4640B6)

Conversions

Conversions Part 1

Format	Color
Hex	4640B6
RGB	70, 64, 182
RGB Percent	27%, 25%, 71%
CMY	0.7255, 0.7490, 0.2863
CMYK	0.62, 0.65, 0.00, 0.29
HSL	243°, 48%, 48%
HSV	243°, 65%, 71%
XYZ	12.8027, 8.3463, 45.1922
YIQ	79.2460, -34.3020, 37.9700

Conversions

Conversions Part 2

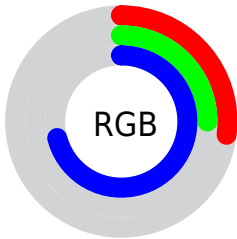
Format	Color
R_{YB}	70, 64, 182
Decimal	4604086
CIE _{Lab}	34.69, 37.80, -61.78
CIE _{LCh}	35, 72.428, 301.457
Yxy	8.3463, 0.1930, 0.1258
Android (android.graphics.Color)	4282794166 (0xFF4640B6)
YUV	79.2460, 50.6577, -8.1087
Hunter-Lab	28.8899, 28.5456, -72.5237

Details

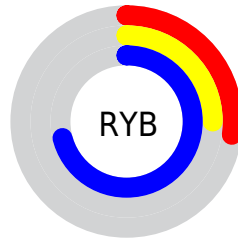
The Hex color **4640B6** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **B0B640**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **8270EF**, and **001480** is the 20% darker color. If you saturate the color by 10%, you get **352EB6**, and if you desaturate by 10%, it is **5752B6**.

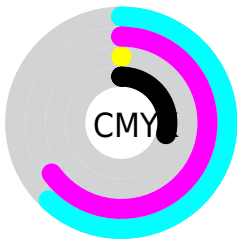
Distribution



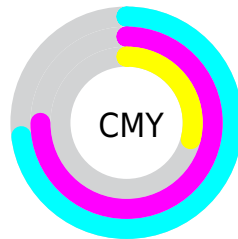
- Red (27%)
- Green (25%)
- Blue (71%)



- Red (27%)
- Yellow (25%)
- Blue (71%)



- Cyan (62%)
- Magenta (65%)
- Yellow (0%)
- Black (29%)



- Cyan (73%)
- Magenta (75%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 4640B6 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 4640B6 by changing the saturation by 10% instead.

 4640B6

 4640B6

FFFFFF

 23299B

 8270EF

 001480

 9F8AFF

 000066

 BCA5FF

 00004D

 DAC0FF

 000535

 F7DCFF

 00021F

 FFF9FF

 000002

 000000

 4640B6

 4640B6

■ 352EB6

■ 5752B6

■ 231CB6

■ 6964B6

■ 1209B6

■ 7A77B6

■ 0900B6

■ 8B89B6

■ 9C9BB6

■ AEADB6

■ BFBFB6

■ D0D2B6

■ E1E4B6

Harmonies

Analogous

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



0059C8



4640B6



95058A

Triad

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



4640B6



8E3600



006853

Complementary

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



4640B6



B0B640

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.



006511



4640B6



625100

Square

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



4640B6



AB0019



235E00



00688D

Rectangle

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



4640B6



AB0065



235E00



00673F

Sweetspot

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



4640B6



C2C0ED



40B0B6



5E5C78



F7F7F7



787878

Same Dimension

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



4640B6



3E34ED



8140B6



53535C



08009C



01001C

Inverse Universe

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



B640B0



ED34E4



75B640



5C535B



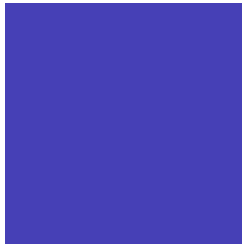
9C0094



1C001B

Previews

White Background



This preview shows how the Hex color 4640B6 looks on a white background.

Color Contrast Check

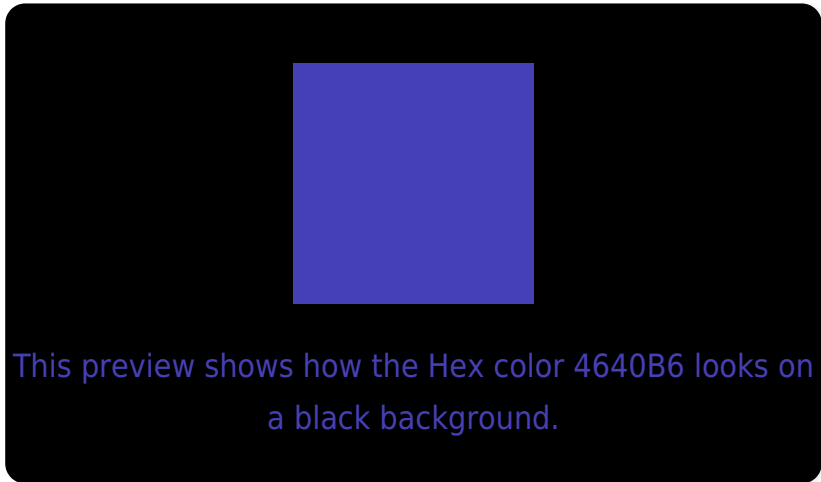
Large Text (above 18pt) WCAG AA ✓ Pass

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

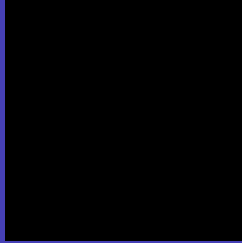
Any Text WCAG AA × Fail

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 4640B6 Background



This preview shows how black text looks on a background with the Hex color 4640B6.

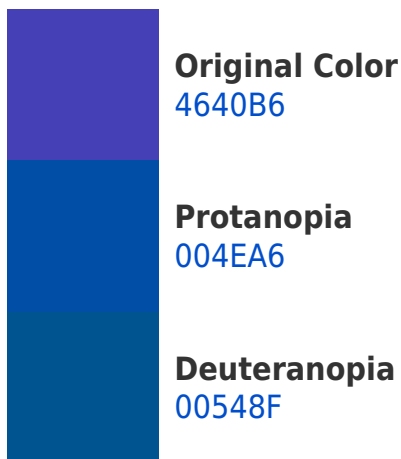



This preview shows how white text looks on a background with the Hex color 4640B6.

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](#).

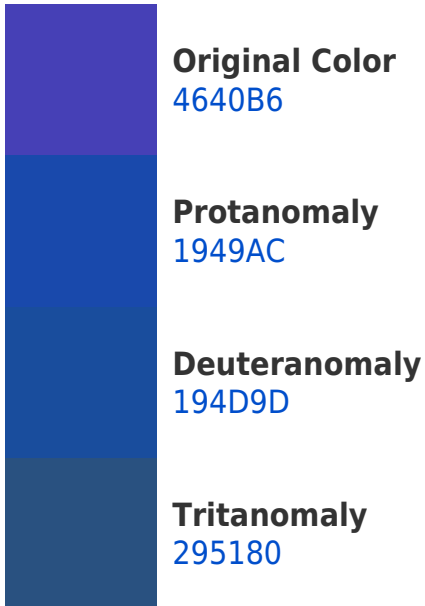
Dichromacy



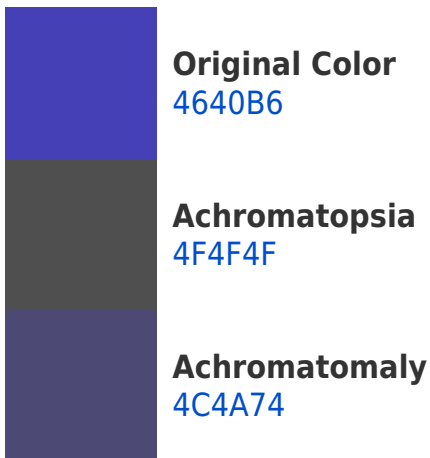


Tritanopia
195A61

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 4640B6 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 #4640B6 looks like.

```
.text, #text, p{  
    color:#4640B6  
}
```

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 #4640B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4640B6
}
```

Border

The CSS property to change the border of an element to Hex 4640B6 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
#4640B6 }
```

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

```
.border{ border-color:#4640B6 }
```

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

Here you see how a box with a 4 pixel #4640B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4640B6; -webkit-box-shadow:4px 4px  
4px 4px #4640B6; box-shadow:4px 4px 4px  
4px #4640B6 }
```

Background

The CSS property to change the background color of an element to Hex 4640B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4640B6 }
```

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

```
.background{ background-color:#4640B6 }
```

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