

# Converting Colors

Hex(4613AB)

Have a look what the booklet for  
Hex(4613AB) contains.

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# Color

**Hex(4613AB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4613AB
RGB	70, 19, 171
RGB Percent	27%, 7%, 67%
CMY	0.7255, 0.9255, 0.3294
CMYK	0.59, 0.89, 0.00, 0.33
HSL	260°, 80%, 37%
HSV	260°, 89%, 67%
XYZ	10.1093, 4.7081, 38.9040
YIQ	51.5770, -18.3960, 58.0840

# Conversions

## Conversions Part 2

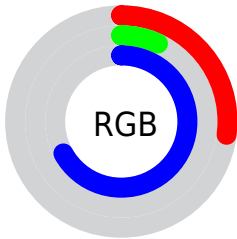
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>70, 19, 171</b>
Decimal	4592555
CIE <sub>Lab</sub>	25.89, 56.35, -69.70
CIE <sub>LCh</sub>	26, 89.633, 308.956
Yxy	4.7081, 0.1882, 0.0876
Android (android.graphics.Color)	4282782635 (0xFF4613AB)
YUV	51.5770, 58.8755, 16.1570
Hunter-Lab	21.6982, 45.1927, -91.1160




# Details

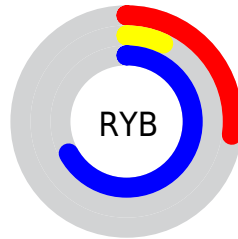
The Hex color **4613AB** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **78AB13**, and the grayscale version is **333333**.




A 20% lighter version of the original color is **8349E4**, and **000075** is the 20% darker color. If you saturate the color by 10%, you get **3B02AB**, and if you desaturate by 10%, it is **5124AB**.

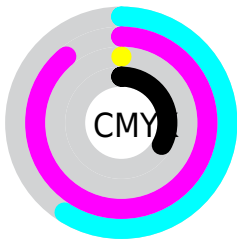
# Distribution







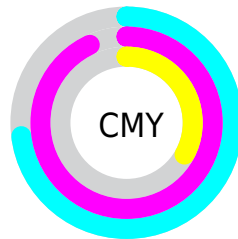
-  Red (27%)
-  Green (7%)
-  Blue (67%)






-  Red (27%)
-  Yellow (7%)
-  Blue (67%)



-  Cyan (59%)
-  Magenta (89%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (73%)
-  Magenta (93%)
-  Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4613AB 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 4613AB by changing the saturation by 10% instead.



4613AB

4613AB

FFFFFF

220090

8349E4

000075

A063FF

00005C

BE7EFF

000743

DC99FF

00032C

FAB4FF

000116

FFD1FF

000000

FFEDFF

4613AB

4613AB

■ 3B02AB

■ 5124AB

■ 3900AB

■ 5D35AB

■ 6846AB

■ 7357AB

■ 7F68AB

■ 8A7AAB

■ 968BAB

■ A19CAB

■ ACADAB

# Harmonies

## Analogous

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



0044CA



4613AB



960070

# Triad

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



4613AB



712400



005351

# Complementary

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



4613AB



78AB13

# 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.



005100



4613AB



394200

# Square

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



4613AB



980000



004D00



005594

# Rectangle

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



4613AB



A70043



004D00



005239



# Sweetspot

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



4613AB



B6A2DE



1378AB



584C70



F0F0F0



707070



# Same Dimension

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



4613AB



4A00DE



9213AB



514E57



320096



080017



# Inverse Universe

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



AB1378



DE0093



2CAB13



574E54



960064

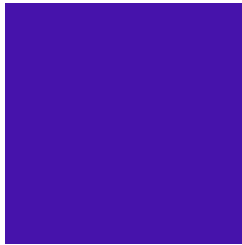


17000F



# Previews

## White Background



This preview shows how the Hex color 4613AB looks on a white background.

## Color Contrast Check

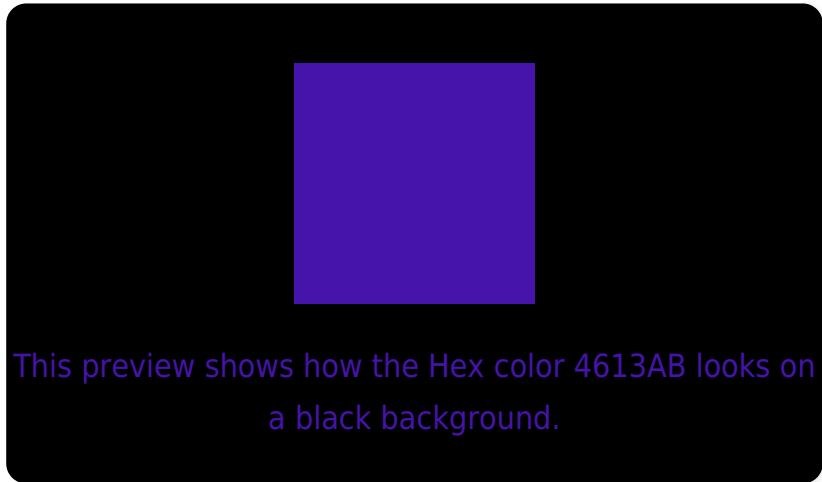
Large Text (above 18pt) WCAG AA ✓ Pass

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

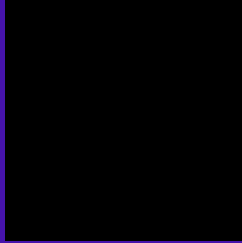
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4613AB Background



This preview shows how black text looks on a background with the Hex color 4613AB.



This preview shows how white text looks on a background with the Hex color 4613AB.

# 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](#).

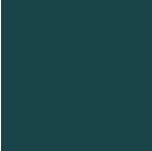
## Dichromacy



**Original Color**  
4613AB

**Protanopia**  
003C7F

**Deuteranopia**  
00406C



**Tritanopia**  
1B444A

# Trichromacy



**Original Color**  
4613AB

**Protanomaly**  
192D8F

**Deuteranomaly**  
193083

**Tritanomaly**  
2B326D

# Monochromacy



**Original Color**  
4613AB

**Achromatopsia**  
343434

**Achromatomaly**  
3B285F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4613AB 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 #4613AB looks like.

```
.text, #text, p{  
    color:#4613AB  
}
```

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 #4613AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4613AB
}
```

## Border

The CSS property to change the border of an element to Hex 4613AB 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
#4613AB }
```

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

```
.border{ border-color:#4613AB }
```

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

Here you see how a box with a 4 pixel #4613AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4613AB; -webkit-box-shadow:4px 4px  
4px 4px #4613AB; box-shadow:4px 4px 4px  
4px #4613AB }
```

# Background

The CSS property to change the background color of an element to Hex 4613AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4613AB }
```

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

```
.background{ background-color:#4613AB }
```

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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