

# Converting Colors

Hex(462149)

Have a look what the booklet for  
Hex(462149) contains.

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**Color**

**Hex(462149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	462149
RGB	70, 33, 73
RGB Percent	27%, 13%, 29%
CMY	0.7255, 0.8706, 0.7137
CMYK	0.04, 0.55, 0.00, 0.71
HSL	296°, 38%, 21%
HSV	296°, 55%, 29%
XYZ	4.2722, 2.8708, 6.6323
YIQ	48.6230, 9.2120, 20.2840

# Conversions

## Conversions Part 2

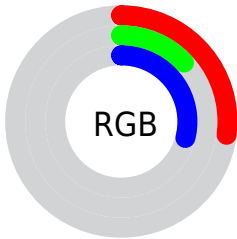
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 33, 73
Decimal	4596041
CIE <sub>Lab</sub>	19.52, 24.68, -17.45
CIE <sub>LCh</sub>	20, 30.225, 324.732
Yxy	2.8708, 0.3101, 0.2084
Android (android.graphics.Color)	4282786121 (0xFF462149)
YUV	48.6230, 12.0179, 18.7476
Hunter-Lab	16.9436, 15.3567, -11.3476

# Details

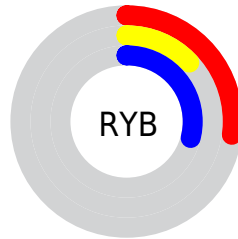
The Hex color **462149** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **244921**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **784F7A**, and **1D001E** is the 20% darker color. If you saturate the color by 10%, you get **451A49**, and if you desaturate by 10%, it is **472849**.

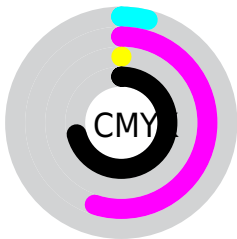
# Distribution



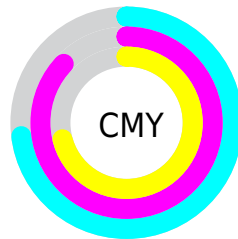
- Red (27%)
- Green (13%)
- Blue (29%)



- Red (27%)
- Yellow (13%)
- Blue (29%)



- Cyan (4%)
- Magenta (55%)
- Yellow (0%)
- Black (71%)



- Cyan (73%)
- Magenta (87%)
- Yellow (71%)
- Black (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 462149 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 462149 by changing the saturation by 10% instead.





462149



462149

FFFFFF



2F0B32



784F7A



1D001E



926894



000000



AD81AE



C89BCA



E4B6E6



FFD2FF



FFEEFF



462149



462149

■ 451A49

■ 472849

■ 451249

■ 473049

■ 440B49

■ 483749

■ 440449

■ 483E49

■ 440049

■ 494649

■ 494D49

■ 4A5449

■ 4A5B49

■ 4B6349

# Harmonies

## Analogous

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



272B57



462149



541A34

# Triad

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



462149



3E2D00



003941

# Complementary

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



462149



244921

# 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.



00392B



462149



293300

# Square

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



462149



4D2409



083714



003853

# Rectangle

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



462149



571A25



083714



003A3A



# Sweetspot

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



462149



5D4F5E



212449



302730



B0B0B0



303030



# Same Dimension

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



462149



5A205E



492138



232024



5C0063



D200E3



# Inverse Universe

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



492124



5E2025



214932



242020



630007

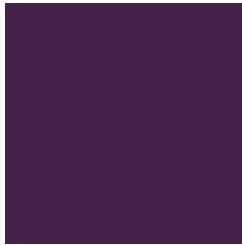


E30011



# Previews

## White Background



This preview shows how the Hex color 462149 looks on a white background.

## Color Contrast Check

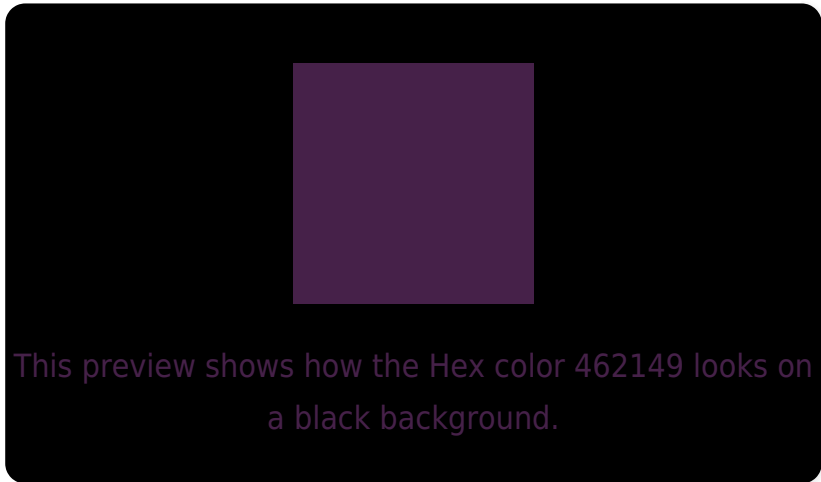
Large Text (above 18pt) WCAG AA ✓ Pass

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

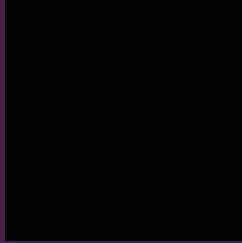
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 462149 Background



This preview shows how black text looks on a background with the Hex color 462149.



This preview shows how white text looks on a background with the Hex color 462149.

# 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**  
462149

**Protanopia**  
1E2F55

**Deuteranopia**  
273046



**Tritanopia**  
42292C

# Trichromacy



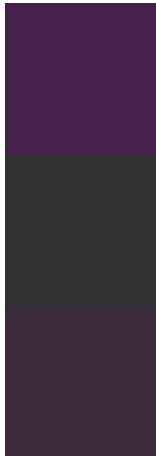
**Original Color**  
462149

**Protanomaly**  
2D2A51

**Deuteranomaly**  
322B47

**Tritanomaly**  
432637

# Monochromacy



**Original Color**  
462149

**Achromatopsia**  
313131

**Achromatomaly**  
392B3A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 462149 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 #462149 looks like.

```
.text, #text, p{  
    color:#462149  
}
```

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 #462149 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #462149
}
```

## Border

The CSS property to change the border of an element to Hex 462149 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
#462149 }
```

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

```
.border{ border-color:#462149 }
```

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

Here you see how a box with a 4 pixel #462149 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #462149; -webkit-box-shadow:4px 4px  
4px 4px #462149; box-shadow:4px 4px 4px  
4px #462149 }
```

# Background

The CSS property to change the background color of an element to Hex 462149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#462149 }
```

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

```
.background{ background-color:#462149 }
```

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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