

# Converting Colors

Hex(462233)

Have a look what the booklet for  
Hex(462233) contains.

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**Color**

**Hex(462233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	462233
RGB	70, 34, 51
RGB Percent	27%, 13%, 20%
CMY	0.7255, 0.8667, 0.8000
CMYK	0.00, 0.51, 0.27, 0.73
HSL	332°, 35%, 20%
HSV	332°, 51%, 27%
XYZ	3.6954, 2.6852, 3.4555
YIQ	46.7020, 15.9990, 12.9190

# Conversions

## Conversions Part 2

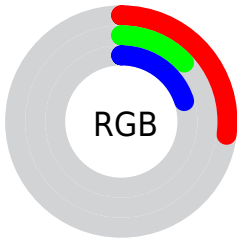
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 34, 51
Decimal	4596275
CIELab	18.74, 19.66, -3.43
CIELCh	19, 19.958, 350.101
Yxy	2.6852, 0.3757, 0.2730
Android (android.graphics.Color)	4282786355 (0xFF462233)
YUV	46.7020, 2.1189, 20.4323
Hunter-Lab	16.3865, 11.5777, -1.0322

# Details

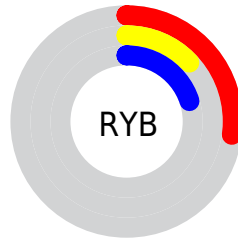
The Hex color **462233** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **224635**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **785061**, and **1B0004** is the 20% darker color. If you saturate the color by 10%, you get **461B2F**, and if you desaturate by 10%, it is **462937**.

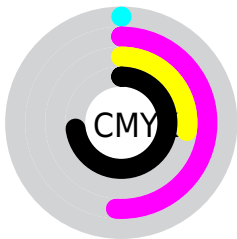
# Distribution



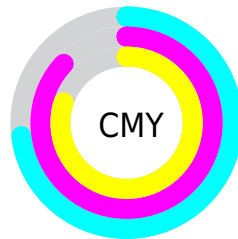
- Red (27%)
- Green (13%)
- Blue (20%)



- Red (27%)
- Yellow (13%)
- Blue (20%)



- Cyan (0%)
- Magenta (51%)
- Yellow (27%)
- Black (73%)



- Cyan (73%)
- Magenta (87%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 462233 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 462233 by changing the saturation by 10% instead.





462233



462233

FFFFFF



2F0D1E



785061



1B0004



92687A



000000



AD8194



C89BAE



E5B6CA



FFD2E6



FFEEFF



462233



462233

■ 461B2F

■ 462937

■ 46142C

■ 46303A

■ 460D28

■ 46373E

■ 460624

■ 463E42

■ 460021

■ 464545

■ 464C49

■ 46534D

■ 465A51

■ 466154

# Harmonies

## Analogous

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



3B2640



462233



492224

# Triad

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



462233



2D3011



003443

# Complementary

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



462233



224635

# 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.



003537



462233



1C331A

# Square

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



462233



3A2B10



023528



06314A

# Rectangle

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



462233



47241C



023528



003440



# Sweetspot

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



462233



5C4E55



352246



2E262A



ADADAD



2E2E2E



# Same Dimension

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



462233



5C233E



462322



242022



63002F



E3006B



# Inverse Universe

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



462233



5C233E



224546



242022



63002F

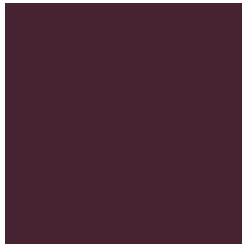


E3006B



# Previews

## White Background



This preview shows how the Hex color 462233 looks on a white background.

## Color Contrast Check

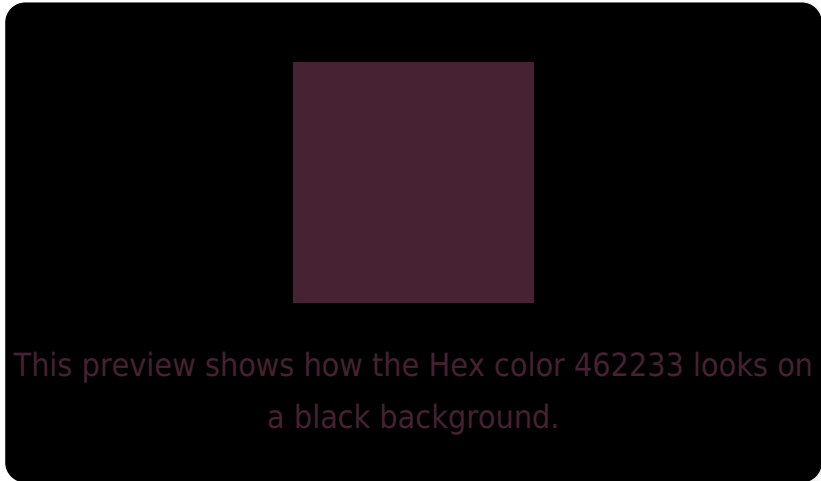
Large Text (above 18pt) WCAG AA ✓ Pass

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

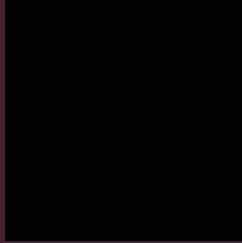
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 462233 Background



This preview shows how black text looks on a background with the Hex color 462233.



This preview shows how white text looks on a background with the Hex color 462233.

# 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**  
462233

**Protanopia**  
2B2E3B

**Deuteranopia**  
312D31



**Tritanopia**  
452427

# Trichromacy



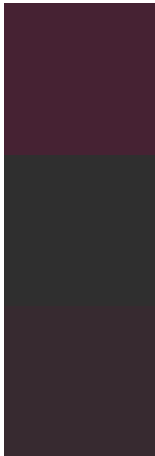
**Original Color**  
462233

**Protanomaly**  
352A38

**Deuteranomaly**  
392932

**Tritanomaly**  
45232B

# Monochromacy



**Original Color**  
462233

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
372A30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 462233 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 #462233 looks like.

```
.text, #text, p{  
    color:#462233  
}
```

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 #462233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #462233
}
```

## Border

The CSS property to change the border of an element to Hex 462233 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
#462233 }
```

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

```
.border{ border-color:#462233 }
```

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

Here you see how a box with a 4 pixel #462233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #462233; -webkit-box-shadow:4px 4px  
4px 4px #462233; box-shadow:4px 4px 4px  
4px #462233 }
```

# Background

The CSS property to change the background color of an element to Hex 462233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#462233 }
```

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

```
.background{ background-color:#462233 }
```

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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