

# Converting Colors

Hex(462A3D)

Have a look what the booklet for  
Hex(462A3D) contains.

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# Color

**Hex(462A3D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	462A3D
RGB	70, 42, 61
RGB Percent	27%, 16%, 24%
CMY	0.7255, 0.8353, 0.7608
CMYK	0.00, 0.40, 0.13, 0.73
HSL	319°, 25%, 22%
HSV	319°, 40%, 27%
XYZ	4.1961, 3.2949, 4.8297
YIQ	52.5380, 10.5890, 11.8450

# Conversions

## Conversions Part 2

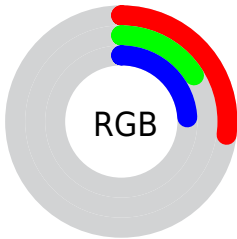
Format	Color
<a href="#">RYB</a>	<a href="#">70, 42, 61</a>
Decimal	<a href="#">4598333</a>
CIELab	<a href="#">21.19, 16.42, -6.68</a>
CIELCh	<a href="#">21, 17.726, 337.863</a>
Yxy	<a href="#">3.2949, 0.3406, 0.2674</a>
Android (android.graphics.Color)	<a href="#">4282788413 (0xFF462A3D)</a>
YUV	<a href="#">52.5380, 4.1718, 15.3142</a>
Hunter-Lab	<a href="#">18.1520, 9.4966, -3.0690</a>

# Details

The Hex color **462A3D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2A4633**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **77586C**, and **1D0013** is the 20% darker color. If you saturate the color by 10%, you get **46233B**, and if you desaturate by 10%, it is **46313F**.

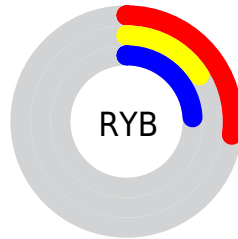
# Distribution



Red (27%)

Green (16%)

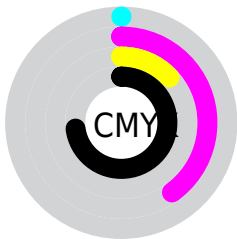
Blue (24%)



Red (27%)

Yellow (16%)

Blue (24%)

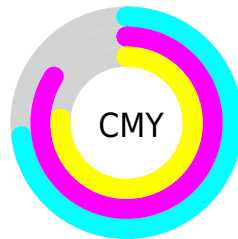


Cyan (0%)

Magenta (40%)

Yellow (13%)

Black (73%)



Cyan (73%)

Magenta (84%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 462A3D 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 462A3D by changing the saturation by 10% instead.





462A3D



462A3D

FFFFFF



2F1527



77586C



1D0013



917186



000000



AC8AA0



C7A5BB



E3C0D7



FFDCF3



FFF8FF



462A3D



462A3D

■ 46233B

■ 46313F

■ 461C39

■ 463842

■ 461536

■ 463F44

■ 460E34

■ 464646

■ 460732

■ 464D48

■ 460030

■ 46544B

■ 465B4D

■ 46624F

■ 466951

# Harmonies

## Analogous

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



392E48



462A3D



4C2830

# Triad

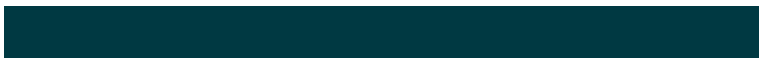
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



462A3D



383319



003942

# Complementary

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



462A3D



2A4633

# 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.



033A36



462A3D



2A371E

# Square

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



462A3D



432F1B



193929



0B374B

# Rectangle

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



462A3D



4C2927



193929



003A3F



# Sweetspot

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



462A3D



5C5158



332A46



2E272C



ADADAD



2E2E2E



# Same Dimension

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



462A3D



5C304E



462A2F



242023



630043



E3009A



# Inverse Universe

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



462A3D



5C304E



2A4641



242023



630043

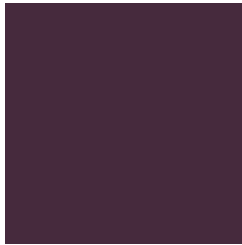


E3009A



# Previews

## White Background



This preview shows how the Hex color 462A3D looks on a white background.

## Color Contrast Check

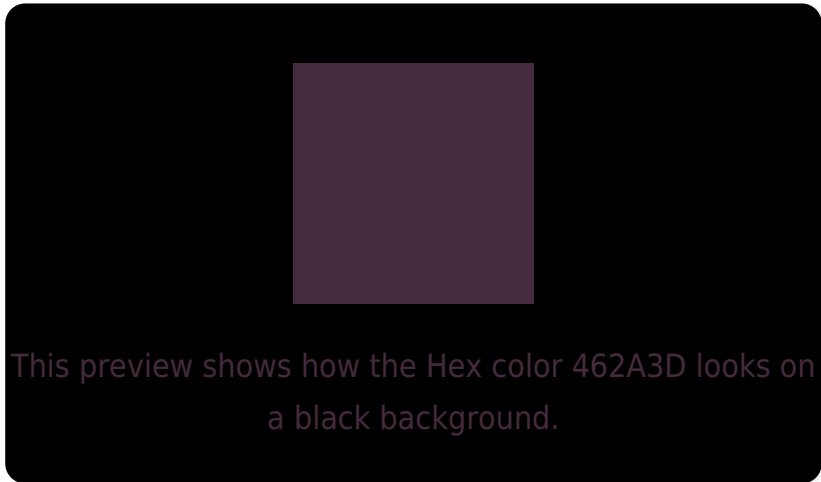
Large Text (above 18pt) WCAG AA ✓ Pass

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

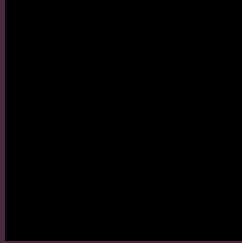
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 462A3D Background



This preview shows how black text looks on a background with the Hex color 462A3D.



This preview shows how white text looks on a background with the Hex color 462A3D.

# 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**  
462A3D

**Protanopia**  
2F3343

**Deuteranopia**  
34323C



**Tritanopia**  
452D30

# Trichromacy



**Original Color**

462A3D

**Protanomaly**

373041

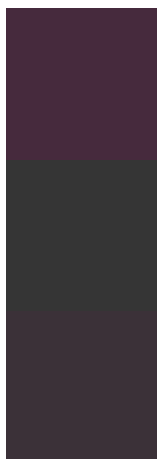
**Deuteranomaly**

3B2F3C

**Tritanomaly**

452C35

# Monochromacy



**Original Color**

462A3D

**Achromatopsia**

353535

**Achromatomaly**

3B3138

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 462A3D 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 #462A3D looks like.

```
.text, #text, p{  
    color:#462A3D  
}
```

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 #462A3D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #462A3D
}
```

## Border

The CSS property to change the border of an element to Hex 462A3D is called "border". The border property can be set on classes, ids or directly on the HTML element.

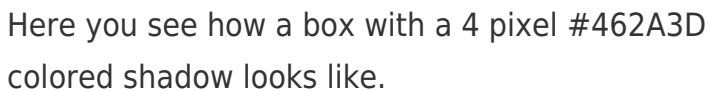
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#462A3D }
```

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

```
.border{ border-color:#462A3D }
```

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



Here you see how a box with a 4 pixel #462A3D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #462A3D; -webkit-box-shadow:4px 4px  
4px 4px #462A3D; box-shadow:4px 4px 4px  
4px #462A3D }
```

# Background

The CSS property to change the background color of an element to Hex 462A3D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#462A3D }
```

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

```
.background{ background-color:#462A3D }
```

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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