

# Converting Colors

Hex(4A2233)

Have a look what the booklet for  
Hex(4A2233) contains.

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**Color**

**Hex(4A2233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A2233
RGB	74, 34, 51
RGB Percent	29%, 13%, 20%
CMY	0.7098, 0.8667, 0.8000
CMYK	0.00, 0.54, 0.31, 0.71
HSL	334°, 37%, 21%
HSV	334°, 54%, 29%
XYZ	3.9936, 2.8389, 3.4694
YIQ	47.8980, 18.3830, 13.7670

# Conversions

## Conversions Part 2

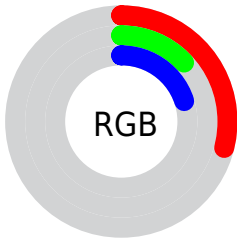
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	74, 34, 51
Decimal	4858419
CIE Lab	19.39, 21.30, -2.39
CIE LCh	19, 21.430, 353.586
Yxy	2.8389, 0.3877, 0.2756
Android (android.graphics.Color)	4283048499 (0xFF4A2233)
YUV	47.8980, 1.5293, 22.8915
Hunter-Lab	16.8491, 12.8226, -0.4142

# Details

The Hex color **4A2233** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **224A39**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **7C5061**, and **200004** is the 20% darker color. If you saturate the color by 10%, you get **4A1B2F**, and if you desaturate by 10%, it is **4A2937**.

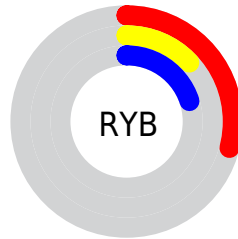
# Distribution



 Red (29%)

 Green (13%)

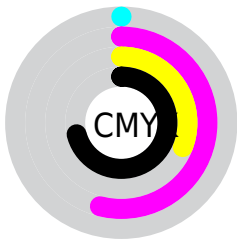
 Blue (20%)



 Red (29%)

 Yellow (13%)

 Blue (20%)

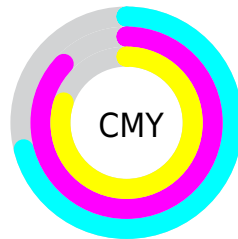



 Cyan (0%)


 Magenta (54%)

 Yellow (31%)

 Black (71%)



 Cyan (71%)

 Magenta (87%)

 Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A2233 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 4A2233 by changing the saturation by 10% instead.



■ 4A2233

■ 4A2233

FFFFFF

■ 320C1E

■ 7C5061

■ 200004

■ 97687A

■ 000000

■ B28294

■ CE9CAE

■ EAB7CA

■ FFD3E6

■ FFEFFF

■ 4A2233

■ 4A2233

■ 4A1B2F

■ 4A2937

■ 4A132A

■ 4A313C

■ 4A0C26

■ 4A3840

■ 4A0422

■ 4A4044

■ 4A001F

■ 4A4748

■ 4A4E4D

■ 4A5651

■ 4A5D55

■ 4A6559

# Harmonies

## Analogous

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



3F2642



4A2233



4C2323

# Triad

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



4A2233



2C3211



003548

# Complementary

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



4A2233



224A39

# 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.



00373B



4A2233



19351C

# Square

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



4A2233



3B2D0F



00372B



06324E

# Rectangle

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



4A2233



49251A



00372B



003644



# Sweetspot

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



4A2233



615158



39224A



30272B



B0B0B0



303030



# Same Dimension

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



4A2233



61223D



4A2522



262224



66002B



E60062



# Inverse Universe

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



4A2233



61223D



22474A



262224



66002B

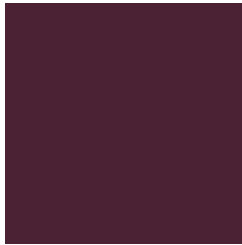


E60062



# Previews

## White Background



This preview shows how the Hex color 4A2233 looks on a white background.

## Color Contrast Check

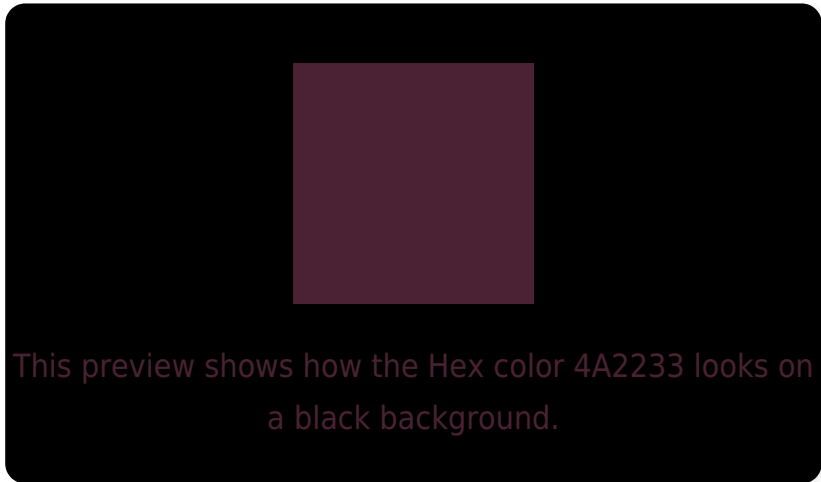
Large Text (above 18pt) WCAG AA ✓ Pass

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

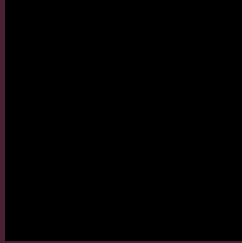
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4A2233 Background



This preview shows how black text looks on a background with the Hex color 4A2233.



This preview shows how white text looks on a background with the Hex color 4A2233.

# 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**  
4A2233

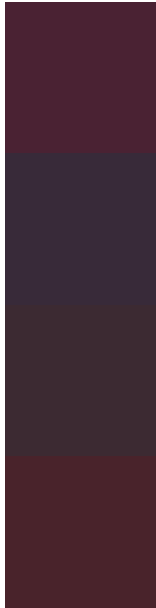
**Protanopia**  
2D2F3C

**Deuteranopia**  
342E31



**Tritanopia**  
492427

# Trichromacy



**Original Color**

4A2233

**Protanomaly**

382A39

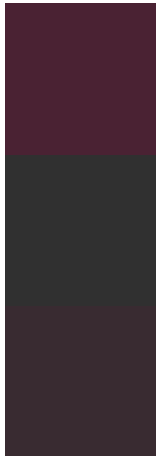
**Deuteranomaly**

3C2A32

**Tritanomaly**

49232B

# Monochromacy



**Original Color**

4A2233

**Achromatopsia**

303030

**Achromatomaly**

392B31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A2233 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 #4A2233 looks like.

```
.text, #text, p{  
    color:#4A2233  
}
```

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 #4A2233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A2233
}
```

## Border

The CSS property to change the border of an element to Hex 4A2233 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
#4A2233 }
```

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

```
.border{ border-color:#4A2233 }
```

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

Here you see how a box with a 4 pixel #4A2233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A2233; -webkit-box-shadow:4px 4px  
4px 4px #4A2233; box-shadow:4px 4px 4px  
4px #4A2233 }
```

# Background

The CSS property to change the background color of an element to Hex 4A2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A2233 }
```

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

```
.background{ background-color:#4A2233 }
```

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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