

# Converting Colors

Hex(402040)

Have a look what the booklet for  
Hex(402040) contains.

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# Color

**Hex(402040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	402040
RGB	64, 32, 64
RGB Percent	25%, 13%, 25%
CMY	0.7490, 0.8745, 0.7490
CMYK	0.00, 0.50, 0.00, 0.75
HSL	300°, 33%, 19%
HSV	300°, 50%, 25%
XYZ	3.5563, 2.4932, 5.1443
YIQ	45.2160, 8.8000, 16.7360

# Conversions

## Conversions Part 2

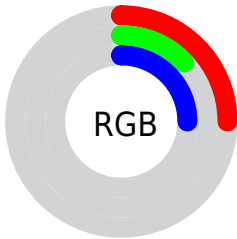
Format	Color
<b>RYB</b>	64, 32, 64
Decimal	4202560
CIELab	17.89, 21.17, -13.88
CIELCh	18, 25.308, 326.753
Yxy	2.4932, 0.3177, 0.2227
Android (android.graphics.Color)	4282392640 (0xFF402040)
YUV	45.2160, 9.2605, 16.4736
Hunter-Lab	15.7898, 12.5707, -8.2637

# Details

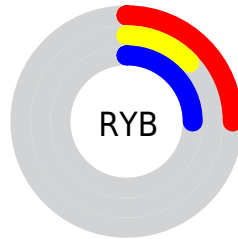
The Hex color **402040** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **204020**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **714D70**, and **120015** is the 20% darker color. If you saturate the color by 10%, you get **401A40**, and if you desaturate by 10%, it is **402640**.

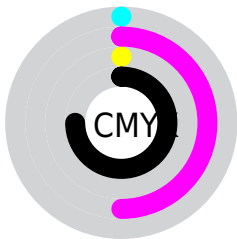
# Distribution



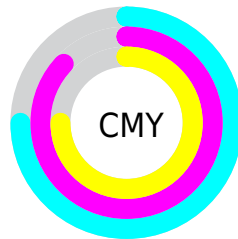
- Red (25%)
- Green (13%)
- Blue (25%)



- Red (25%)
- Yellow (13%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (75%)



- Cyan (75%)
- Magenta (87%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 402040 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 402040 by changing the saturation by 10% instead.



■ 402040

■ 402040

FFFFFF

■ 290B2A

■ 714D70

■ 120015

■ 8B6689

■ 000000

■ A57FA4

■ C099BF

■ DDB4DB

■ F9D0F7

■ FFECFF

■ 402040

■ 402040

 401A40

 402640

 401340

 402D40

 400D40

 403340

 400640

 403A40

 400040

 404040

 404640

 404D40

 405340

 405A40

# Harmonies

## Analogous

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



29284C



402040



4B1B2F

# Triad

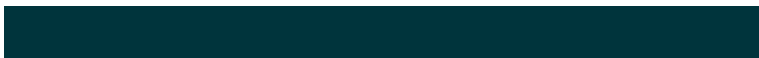
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



402040



372A01



00343C

# Complementary

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



402040



204020

# 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.



003429



402040



263007

# Square

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



402040



45230C



0C3317



00334A

# Rectangle

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



402040



4D1B22



0C3317



003536



# Sweetspot

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



402040



544854



202040



2B242B



ABABAB



2B2B2B



# Same Dimension

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



402040



542254



402030



211E21



610061



E000E0



# Inverse Universe

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



402040



542254



204030



211E21



610061

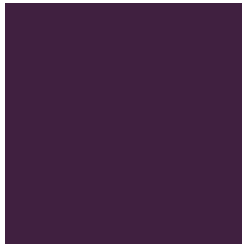


E000E0



# Previews

## White Background



This preview shows how the Hex color 402040 looks on a white background.

## Color Contrast Check

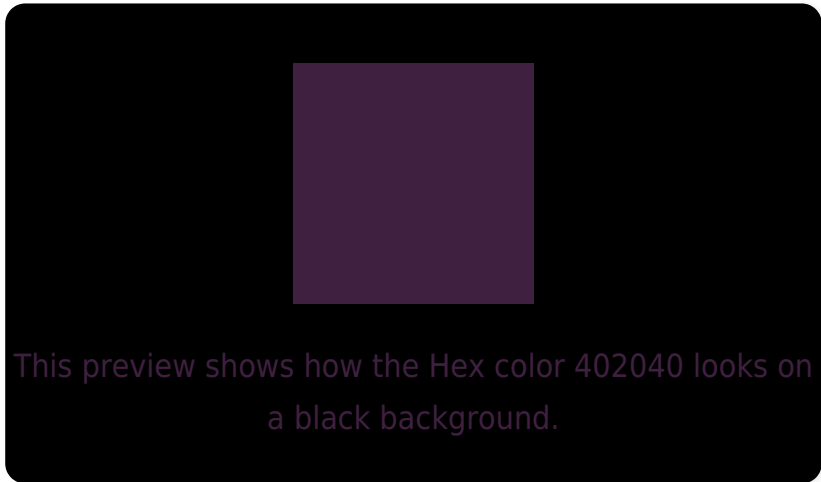
Large Text (above 18pt) WCAG AA ✓ Pass

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

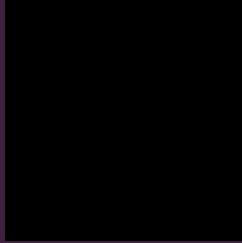
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 402040 Background



This preview shows how black text looks on a background with the Hex color 402040.



This preview shows how white text looks on a background with the Hex color 402040.

# 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](#).

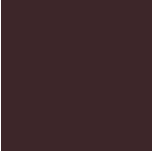
## Dichromacy



**Original Color**  
402040

**Protanopia**  
202B4A

**Deuteranopia**  
262C3E



**Tritanopia**  
3D2629

# Trichromacy



**Original Color**  
402040

**Protanomaly**  
2C2746

**Deuteranomaly**  
2F283F

**Tritanomaly**  
3E2431

# Monochromacy



**Original Color**  
402040

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
342834

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 402040 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 #402040 looks like.

```
.text, #text, p{  
    color:#402040  
}
```

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 #402040 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #402040
}
```

## Border

The CSS property to change the border of an element to Hex 402040 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
#402040 }
```

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

```
.border{ border-color:#402040 }
```

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

Here you see how a box with a 4 pixel #402040 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #402040; -webkit-box-shadow:4px 4px  
4px 4px #402040; box-shadow:4px 4px 4px  
4px #402040 }
```

# Background

The CSS property to change the background color of an element to Hex 402040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#402040 }
```

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

```
.background{ background-color:#402040 }
```

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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