

# Converting Colors

Hex(42003E)

Have a look what the booklet for  
Hex(42003E) contains.

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**Color**

**Hex(42003E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42003E
RGB	66, 0, 62
RGB Percent	26%, 0%, 24%
CMY	0.7412, 1.0000, 0.7569
CMYK	0.00, 1.00, 0.06, 0.74
HSL	304°, 100%, 13%
HSV	304°, 100%, 26%
XYZ	3.1163, 1.5061, 4.6839
YIQ	26.8020, 19.4340, 33.2740

# Conversions

## Conversions Part 2

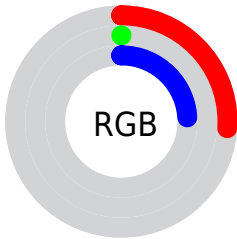
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 0, 62
Decimal	4325438
CIELab	12.65, 36.55, -20.69
CIELCh	13, 42.002, 330.493
Yxy	1.5061, 0.3349, 0.1618
Android (android.graphics.Color)	4282515518 (0xFF42003E)
YUV	26.8020, 17.3526, 34.3766
Hunter-Lab	12.2721, 23.8504, -14.0386

# Details

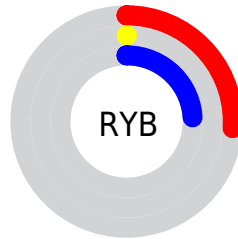
The Hex color **42003E** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **004204**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **75346E**, and **030012** is the 20% darker color. If you saturate the color by 10%, you get **42003E**, and if you desaturate by 10%, it is **42073E**.

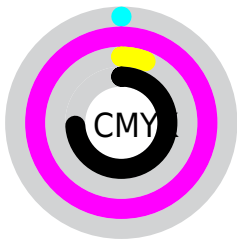
# Distribution



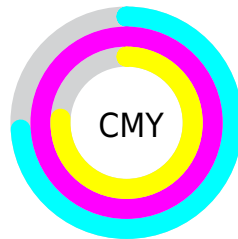
- Red (26%)
- Green (0%)
- Blue (24%)



- Red (26%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (74%)



- Cyan (74%)
- Magenta (100%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42003E 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 42003E by changing the saturation by 10% instead.



 42003E

 42003E

 FFEFFF

 2C0028

 75346E

 030012

 8F4D87

 000000

 AA66A2

 C680BD

 E39BD9

 FFB6F5

 FFD2FF

 42003E

■ 42073E

■ 420D3F

■ 42143F

■ 421A40

■ 422140

■ 422840

■ 422E41

■ 423541

■ 423B42

# Harmonies

## Analogous

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



181954



42003E



500022

# Triad

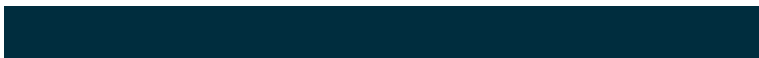
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42003E



2A2000



002D3E

# Complementary

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



42003E



004204

# 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.



002D20



42003E



0A2700

# Square

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



42003E



401200



002B00



002B54

# Rectangle

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



42003E



50000D



002B00



002D35



# Sweetspot

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



42003E



573D55



030042



2B1C2A



ABABAB



2B2B2B



# Same Dimension

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



42003E



570051



42001E



211E21



61005B



E000D3



# Inverse Universe

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



42003E



570051



004224



211E21



61005B

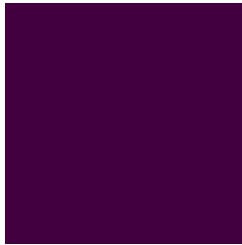


E000D3



# Previews

## White Background



This preview shows how the Hex color 42003E looks on a white background.

## Color Contrast Check

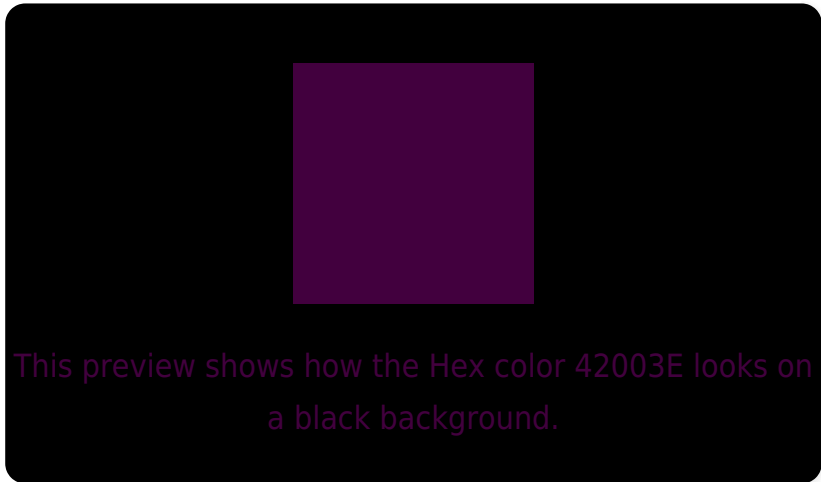
Large Text (above 18pt) WCAG AA ✓ Pass

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

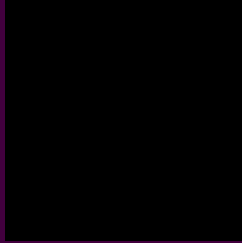
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42003E Background



This preview shows how black text looks on a background with the Hex color 42003E.

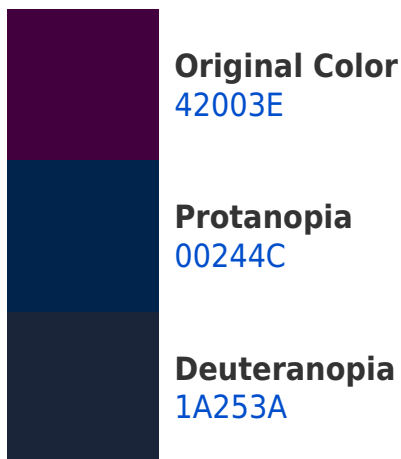


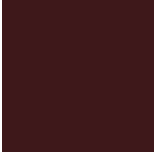
This preview shows how white text looks on a background with the Hex color 42003E.

# 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





**Tritanopia**  
3E181A

# Trichromacy



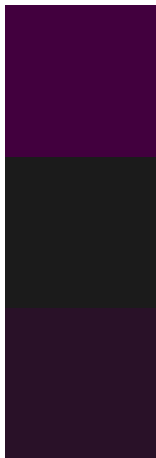
**Original Color**  
42003E

**Protanomaly**  
181747

**Deuteranomaly**  
29183B

**Tritanomaly**  
3F0F27

# Monochromacy



**Original Color**  
42003E

**Achromatopsia**  
1B1B1B

**Achromatomaly**  
291128

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42003E 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 #42003E looks like.

```
.text, #text, p{  
    color:#42003E  
}
```

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 #42003E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42003E
}
```

## Border

The CSS property to change the border of an element to Hex 42003E is called "border". The border property can be set on classes, ids or directly on the HTML element.

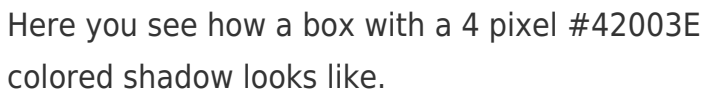
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42003E }
```

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

```
.border{ border-color:#42003E }
```

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



Here you see how a box with a 4 pixel #42003E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42003E; -webkit-box-shadow:4px 4px  
4px 4px #42003E; box-shadow:4px 4px 4px  
4px #42003E }
```

# Background

The CSS property to change the background color of an element to Hex 42003E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42003E }
```

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

```
.background{ background-color:#42003E }
```

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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