

# Converting Colors

Hex(42405D)

Have a look what the booklet for  
Hex(42405D) contains.

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# Color

**Hex(42405D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42405D
RGB	66, 64, 93
RGB Percent	26%, 25%, 36%
CMY	0.7412, 0.7490, 0.6353
CMYK	0.29, 0.31, 0.00, 0.64
HSL	244°, 18%, 31%
HSV	244°, 31%, 36%
XYZ	6.0559, 5.6154, 11.1206
YIQ	67.9040, -8.1170, 9.4430

# Conversions

## Conversions Part 2

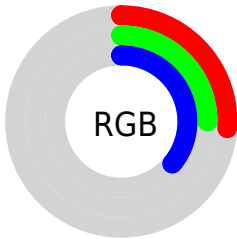
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	66, 64, 93
Decimal	4341853
CIE Lab	28.42, 8.24, -16.90
CIE LCh	28, 18.800, 295.979
Yxy	5.6154, 0.2657, 0.2464
Android (android.graphics.Color)	4282531933 (0xFF42405D)
YUV	67.9040, 12.3723, -1.6698
Hunter-Lab	23.6967, 4.1482, -11.2364

# Details

The Hex color **42405D** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5B5D40**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **73708F**, and **15162F** is the 20% darker color. If you saturate the color by 10%, you get **39375D**, and if you desaturate by 10%, it is **4B495D**.

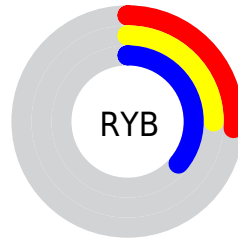
# Distribution



Red (26%)

Green (25%)

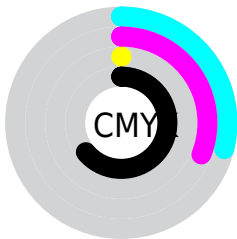
Blue (36%)



Red (26%)

Yellow (25%)

Blue (36%)

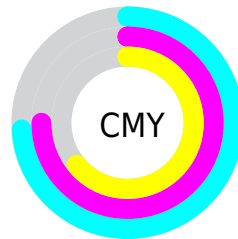


Cyan (29%)

Magenta (31%)

Yellow (0%)

Black (64%)



Cyan (74%)

Magenta (75%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42405D 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 42405D by changing the saturation by 10% instead.



■ 42405D

■ 42405D

FFFFFF

■ 2B2A45

■ 73708F

■ 15162F

■ 8C89AA

■ 00001A

■ A7A3C5

■ 000000

■ C2BEE1

■ DEDAFE

■ FBF7FF

■ 42405D

■ 42405D

■ 39375D

■ 4B495D

■ 312D5D

■ 53535D

■ 28245D

■ 5C5C5D

■ 1F1B5D

■ 65655D

■ 17115D

■ 6D6F5D

■ 0E085D

■ 76785D

■ 06005D

■ 7F815D

■ 878A5D

■ 90945D

# Harmonies

## Analogous

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



2B4560



42405D



533B53

# Triad

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



42405D



5A3C2C



1C4B41

# Complementary

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



42405D



5B5D40

# 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.



2F4932



42405D



4E4126

# Square

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



42405D



5F3937



404629



0B4B4F

# Rectangle

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



42405D



5B394A



404629



234A3C



# Sweetspot

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



42405D



6E6D78



405B5D



37363D



BDBDBD



3D3D3D



# Same Dimension

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



42405D



4F4C78



50405D



2A292E



08006E



1000ED



# Inverse Universe

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



5D405B



784C75



4D5D40



2E292E



6E0066



ED00DD



# Previews

## White Background



This preview shows how the Hex color 42405D looks on a white background.

## Color Contrast Check

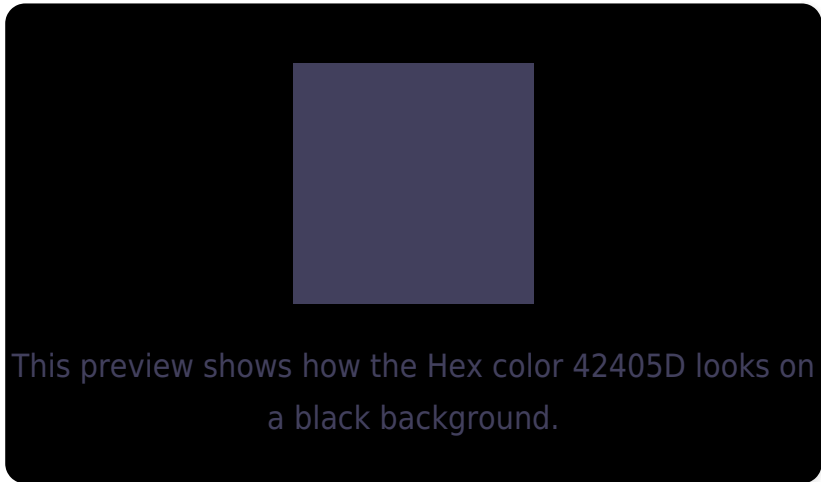
Large Text (above 18pt) WCAG AA ✓ Pass

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

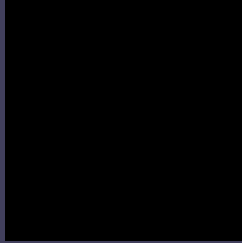
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 42405D Background



This preview shows how black text looks on a background with the Hex color 42405D.

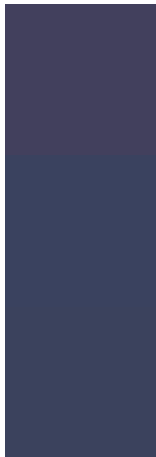


This preview shows how white text looks on a background with the Hex color 42405D.

# 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**  
42405D

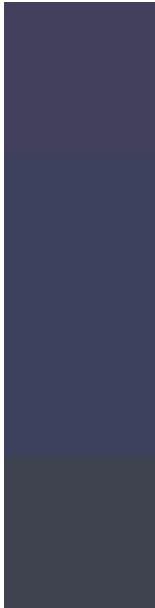
**Protanopia**  
3A425F

**Deuteranopia**  
3B425D



**Tritanopia**  
3E4449

# Trichromacy



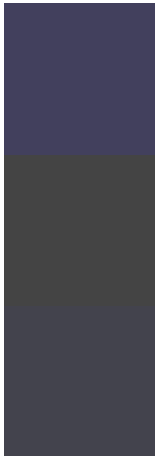
**Original Color**  
42405D

**Protanomaly**  
3D415E

**Deuteranomaly**  
3E415D

**Tritanomaly**  
3F4350

# Monochromacy



**Original Color**  
42405D

**Achromatopsia**  
444444

**Achromatomaly**  
43434D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42405D 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 #42405D looks like.

```
.text, #text, p{  
    color:#42405D  
}
```

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 #42405D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42405D  
}
```

## Border

The CSS property to change the border of an element to Hex 42405D is called "border". The border property can be set on classes, ids or directly on the HTML element.

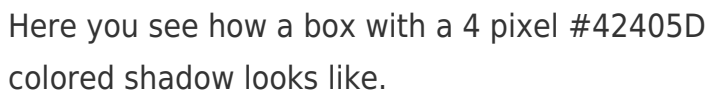
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#42405D }
```

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

```
.border{ border-color:#42405D }
```

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



Here you see how a box with a 4 pixel #42405D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42405D; -webkit-box-shadow:4px 4px  
4px 4px #42405D; box-shadow:4px 4px 4px  
4px #42405D }
```

# Background

The CSS property to change the background color of an element to Hex 42405D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42405D }
```

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

```
.background{ background-color:#42405D }
```

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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