

Converting Colors

Hex(500042)

Have a look what the booklet for
Hex(500042) contains.

Hex(500042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(500042)

Conversions

Conversions Part 1

Format	Color
Hex	500042
RGB	80, 0, 66
RGB Percent	31%, 0%, 26%
CMY	0.6863, 1.0000, 0.7412
CMYK	0.00, 1.00, 0.18, 0.69
HSL	310°, 100%, 16%
HSV	310°, 100%, 31%
XYZ	4.2916, 2.0988, 5.3332
YIQ	31.4440, 26.4940, 37.4860

Conversions

Conversions Part 2

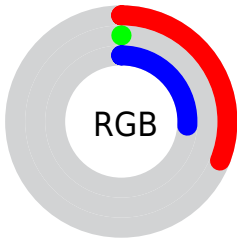
Format	Color
R_{YB}	80, 0, 66
Decimal	5242946
CIE _{Lab}	16.00, 40.13, -18.01
CIE _{LCh}	16, 43.981, 335.829
Yxy	2.0988, 0.3661, 0.1790
Android (android.graphics.Color)	4283433026 (0xFF500042)
YUV	31.4440, 17.0361, 42.5836
Hunter-Lab	14.4873, 27.5250, -11.6852

Details

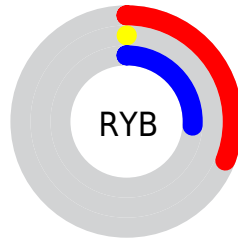
The Hex color **500042** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **00500E**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **843872**, and **200017** is the 20% darker color. If you saturate the color by 10%, you get **500042**, and if you desaturate by 10%, it is **500843**.

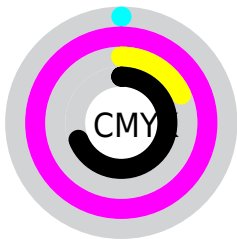
Distribution



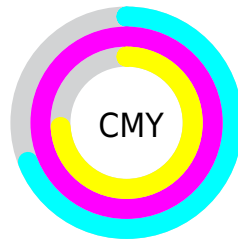
- Red (31%)
- Green (0%)
- Blue (26%)



- Red (31%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (69%)



- Cyan (69%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 500042 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 500042 by changing the saturation by 10% instead.

 500042

 500042

 FFF5FF

 37002C

 843872

 200017

 9F528C

 000000

 BB6BA6

 D885C1

 F5A0DD

 FFBCFA

 FFD8FF

 500042

■ 500843

■ 501045

■ 501846

■ 502048

■ 502849

■ 50304A

■ 50384C

■ 50404D

■ 50484F

Harmonies

Analogous

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



2C1C5B



500042



5C0023

Triad

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



500042



2D2900



00344C

Complementary

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



500042



00500E

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.



00342D



500042



082F00

Square

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



500042



461C00



00330A



003262

Rectangle

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



500042



5A000E



00330A



003442

Sweetspot

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



500042



694963



0D0050



362232



B5B5B5



363636

Same Dimension

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



500042



690056



50001B



292528



E800BF

Inverse Universe

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



500042



690056



005035



292528



E800BF

Previews

White Background



This preview shows how the Hex color 500042 looks on a white background.

Color Contrast Check

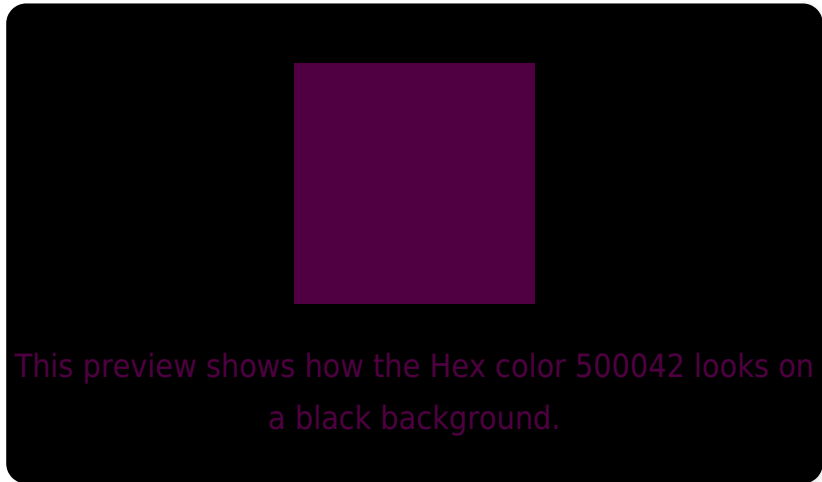
Large Text (above 18pt) WCAG AA ✓ Pass

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

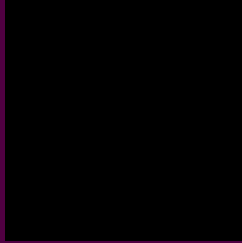
Any Text WCAG AA × Fail

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 500042 Background



This preview shows how black text looks on a background with the Hex color 500042.



This preview shows how white text looks on a background with the Hex color 500042.

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
500042

Protanopia
002A5A

Deuteranopia
262C3E



Tritanopia
4D1A1B

Trichromacy



Original Color
500042

Protanomaly
1D1B51

Deuteranomaly
351C3F

Tritanomaly
4E1129

Monochromacy



Original Color
500042

Achromatopsia
1F1F1F

Achromatomaly
31142C

CSS Examples

Text

The CSS property to change the color of the text to Hex 500042 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 #500042 looks like.

```
.text, #text, p{  
    color:#500042  
}
```

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 #500042 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #500042
}
```

Border

The CSS property to change the border of an element to Hex 500042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

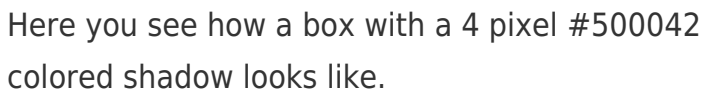
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#500042 }
```

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

```
.border{ border-color:#500042 }
```

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



Here you see how a box with a 4 pixel #500042 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #500042; -webkit-box-shadow:4px 4px  
4px 4px #500042; box-shadow:4px 4px 4px  
4px #500042 }
```

Background

The CSS property to change the background color of an element to Hex 500042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#500042 }
```

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

```
.background{ background-color:#500042 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor