

# Converting Colors

Hex(58003B)

Have a look what the booklet for  
Hex(58003B) contains.

<b>Hex(58003B)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(58003B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58003B
RGB	88, 0, 59
RGB Percent	35%, 0%, 23%
CMY	0.6549, 1.0000, 0.7686
CMYK	0.00, 1.00, 0.33, 0.65
HSL	320°, 100%, 17%
HSV	320°, 100%, 35%
XYZ	4.8139, 2.3905, 4.3454
YIQ	33.0380, 33.5090, 37.0050

# Conversions

## Conversions Part 2

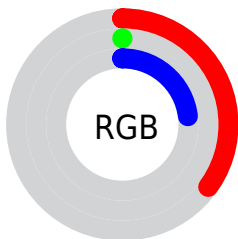
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 0, 59
Decimal	5767227
CIE <sub>Lab</sub>	17.42, 40.96, -10.73
CIE <sub>LCh</sub>	17, 42.343, 345.316
Yxy	2.3905, 0.4168, 0.2070
Android (android.graphics.Color)	4283957307 (0xFF58003B)
YUV	33.0380, 12.7993, 48.2017
Hunter-Lab	15.4612, 28.5200, -5.8406

# Details

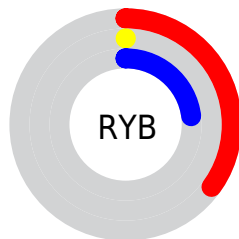
The Hex color **58003B** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00581D**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **8D3A6A**, and **280010** is the 20% darker color. If you saturate the color by 10%, you get **58003B**, and if you desaturate by 10%, it is **58093E**.

# Distribution



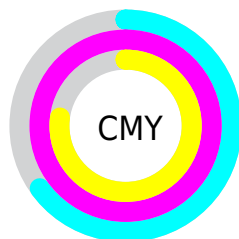
- Red (35%)
- Green (0%)
- Blue (23%)



- Red (35%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 58003B 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 58003B by changing the saturation by 10% instead.



 58003B

 58003B

 FFF8FF

 3E0025

 8D3A6A

 280010

 A95384

 000000

 C56D9E

 E288B9

 FFA3D4

 FFBEF1

 FFDBFF

 58003B

■ 58093E

■ 581241

■ 581A44

■ 582347

■ 582C4A

■ 58354C

■ 583E4F

■ 584652

■ 584F55

# Harmonies

## Analogous

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



3E1956



58003B



5E001D

# Triad

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



58003B



282E00



003756

# Complementary

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



58003B



00581D

# 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.



00373A



58003B



003400

# Square

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



58003B



422400



00361A



003366

# Rectangle

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



58003B



5A0A05



00361A



00374E



# Sweetspot

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



58003B



735067



1C0058



3B2634



BABABA



3B3B3B



# Same Dimension

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



58003B



73004D



580010



2B272A



6B0048



EB009D



# Inverse Universe

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



58003B



73004D



005848



2B272A



6B0048

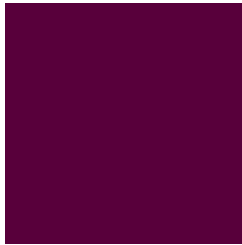


EB009D



# Previews

## White Background



This preview shows how the Hex color 58003B looks on a white background.

## Color Contrast Check

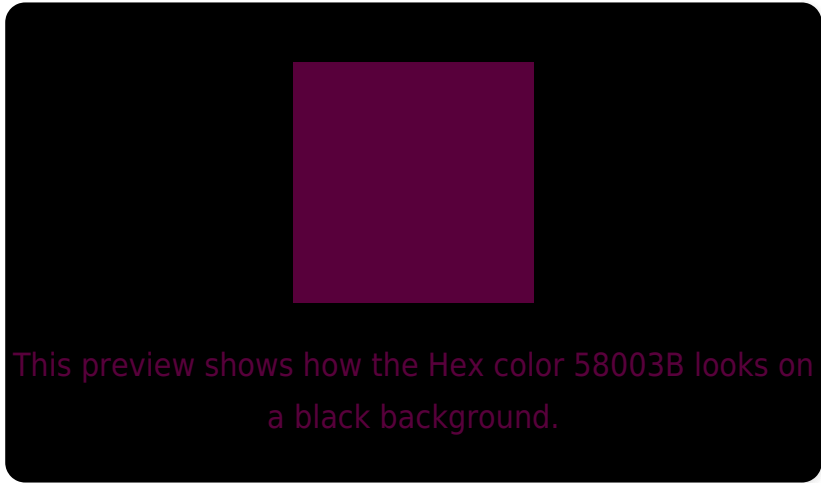
Large Text (above 18pt) WCAG AA ✓ Pass

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

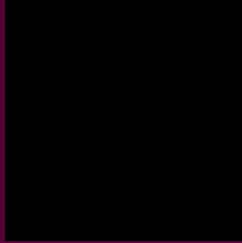
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 58003B Background



This preview shows how black text looks on a background with the Hex color 58003B.



This preview shows how white text looks on a background with the Hex color 58003B.

# 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**  
58003B

**Protanopia**  
1D2E54

**Deuteranopia**  
302E37



**Tritanopia**  
561718

# Trichromacy



**Original Color**  
58003B

**Protanomaly**  
321D4B

**Deuteranomaly**  
3F1D38

**Tritanomaly**  
570F25

# Monochromacy



**Original Color**  
58003B

**Achromatopsia**  
212121

**Achromatomaly**  
35152A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 58003B 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 #58003B looks like.

```
.text, #text, p{  
    color:#58003B  
}
```

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 #58003B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #58003B
}
```

## Border

The CSS property to change the border of an element to Hex 58003B 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".

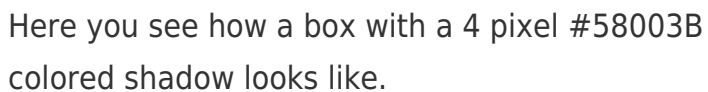
```
.border, #border, table{ border:4px solid
#58003B }
```

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

```
.border{ border-color:#58003B }
```

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

Here you see how a box with a 4 pixel #58003B colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top and left sides, and a thicker dark purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #58003B; -webkit-box-shadow:4px 4px  
4px 4px #58003B; box-shadow:4px 4px 4px  
4px #58003B }
```

# Background

The CSS property to change the background color of an element to Hex 58003B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#58003B }
```

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

```
.background{ background-color:#58003B }
```

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