

# Converting Colors

Hex(520023)

Have a look what the booklet for  
Hex(520023) contains.

<b>Hex(520023)</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(520023)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	520023
RGB	82, 0, 35
RGB Percent	32%, 0%, 14%
CMY	0.6784, 1.0000, 0.8627
CMYK	0.00, 1.00, 0.57, 0.68
HSL	334°, 100%, 16%
HSV	334°, 100%, 32%
XYZ	3.7830, 1.9152, 1.7604
YIQ	28.5080, 37.6370, 28.2690

# Conversions

## Conversions Part 2

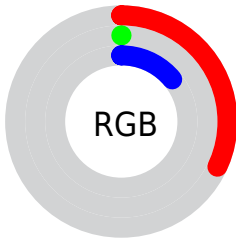
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">82, 0, 35</a>
Decimal	<a href="#">5373987</a>
CIELab	<a href="#">15.04, 36.94, 2.94</a>
CIELCh	<a href="#">15, 37.057, 4.547</a>
Yxy	<a href="#">1.9152, 0.5072, 0.2568</a>
Android (android.graphics.Color)	<a href="#">4283564067 (0xFF520023)</a>
YUV	<a href="#">28.5080, 3.2006, 46.9125</a>
Hunter-Lab	<a href="#">13.8390, 24.5766, 2.1454</a>

# Details

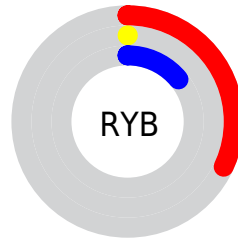
The Hex color **520023** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00522F**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **88374F**, and **1D0001** is the 20% darker color. If you saturate the color by 10%, you get **520023**, and if you desaturate by 10%, it is **520828**.

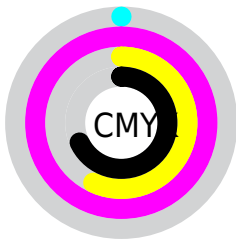
# Distribution



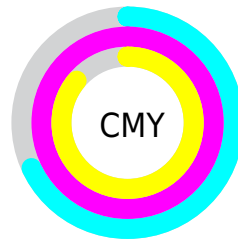
- Red (32%)
- Green (0%)
- Blue (14%)



- Red (32%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (68%)



- Cyan (68%)
- Magenta (100%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 520023 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 520023 by changing the saturation by 10% instead.



 520023

 520023

 FFF3FF

 39000D

 88374F

 1D0001

 A45067

 000000

 C06A80

 DD849A

 FA9EB5

 FFBAD0

 FFD6EC

 520023

■ 520828

■ 52102C

■ 521931

■ 522136

■ 52293A

■ 52313F

■ 523944

■ 524249

■ 524A4D

# Harmonies

## Analogous

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



470B3D



520023



4F0B05

# Triad

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



520023



122C00



002E55

# Complementary

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



520023



00522F

# 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.



003143



520023



002F0D

# Square

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



520023



2D2600



003129



00285B

# Rectangle

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



520023



471700



003129



002F50



# Sweetspot

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



520023



6B4B59



2E0052



36222B



B5B5B5



363636



# Same Dimension

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



520023



6B002E



520500



292526



69002D



E80063



# Inverse Universe

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



520023



6B002E



004D52



292526



69002D

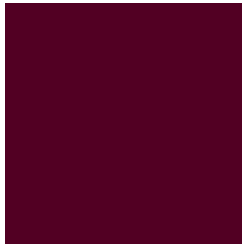


E80063



# Previews

## White Background



This preview shows how the Hex color 520023 looks on a white background.

## Color Contrast Check

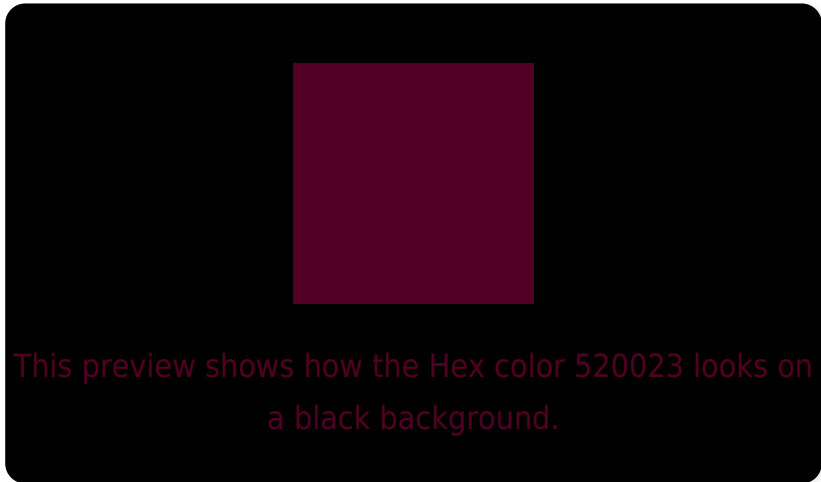
Large Text (above 18pt) WCAG AA ✓ Pass

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

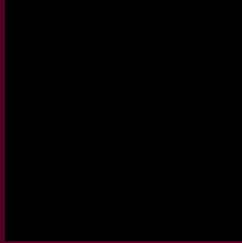
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 520023 Background



This preview shows how black text looks on a background with the Hex color 520023.



This preview shows how white text looks on a background with the Hex color 520023.

# 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**  
520023

**Protanopia**  
282A33

**Deuteranopia**  
322920



**Tritanopia**  
510E0D

# Trichromacy



**Original Color**  
520023

**Protanomaly**  
371B2D

**Deuteranomaly**  
3E1A21

**Tritanomaly**  
510915

# Monochromacy



**Original Color**  
520023

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
30121F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 520023 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 #520023 looks like.

```
.text, #text, p{  
    color:#520023  
}
```

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 #520023 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #520023
}
```

## Border

The CSS property to change the border of an element to Hex 520023 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".

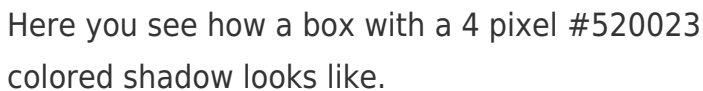
```
.border, #border, table{ border:4px solid
#520023 }
```

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

```
.border{ border-color:#520023 }
```

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

Here you see how a box with a 4 pixel #520023 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #520023 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #520023; -webkit-box-shadow:4px 4px  
4px 4px #520023; box-shadow:4px 4px 4px  
4px #520023 }
```

# Background

The CSS property to change the background color of an element to Hex 520023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#520023 }
```

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

```
.background{ background-color:#520023 }
```

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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