

# Converting Colors

Hex(81003E)

Have a look what the booklet for  
Hex(81003E) contains.

<b>Hex(81003E)</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(81003E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81003E
RGB	129, 0, 62
RGB Percent	51%, 0%, 24%
CMY	0.4941, 1.0000, 0.7569
CMYK	0.00, 1.00, 0.52, 0.49
HSL	331°, 100%, 25%
HSV	331°, 100%, 51%
XYZ	9.9228, 5.0149, 5.0024
YIQ	45.6390, 56.9820, 46.6300

# Conversions

## Conversions Part 2

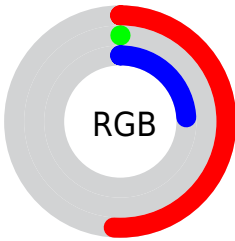
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 0, 62
Decimal	8454206
CIE <sub>Lab</sub>	26.78, 51.05, 2.12
CIE <sub>LCh</sub>	27, 51.093, 2.381
Yxy	5.0149, 0.4976, 0.2515
Android (android.graphics.Color)	4286644286 (0xFF81003E)
YUV	45.6390, 8.0660, 73.1076
Hunter-Lab	22.3940, 39.9035, 2.4315

# Details

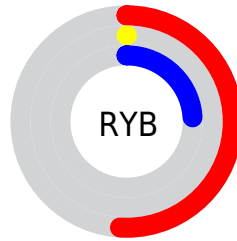
The Hex color **81003E** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **008143**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **BB456D**, and **490014** is the 20% darker color. If you saturate the color by 10%, you get **81003E**, and if you desaturate by 10%, it is **810D45**.

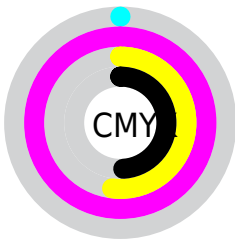
# Distribution



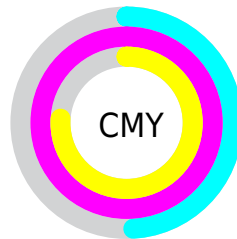
- Red (51%)
- Green (0%)
- Blue (24%)



- Red (51%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (49%)




- Cyan (49%)
- Magenta (100%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81003E 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 81003E by changing the saturation by 10% instead.



 81003E

 81003E

FFFFFF

 650028

 BB456D

 490014

 D86086

 300002

 F67BA1

 000000

 FF96BC


 FFB2D7

 FFCFF4

 FFECFF

 81003E

 810D45

 811A4B


 812752

 813459

 814160

 814D66

 815A6D

 816774

 81747A

# Harmonies

## Analogous

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



6F1A64



81003E



7D1618

# Triad

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



81003E



244800



004C85

# Complementary

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



81003E



008143

# 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.



004F68



81003E



004D18

# Square

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



81003E



4C3F00



004F41



00448E

# Rectangle

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



81003E



722700



004F41



004E7D



# Sweetspot

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



81003E



A8768E



430081



543644



D4D4D4



545454



# Same Dimension

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



81003E



A80051



810200



40393C



80003D



000000



# Inverse Universe

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



81003E



A80051



007F81



40393C



80003D

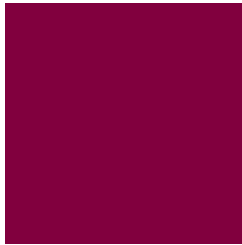


000000



# Previews

## White Background



This preview shows how the Hex color 81003E looks on a white background.

## Color Contrast Check

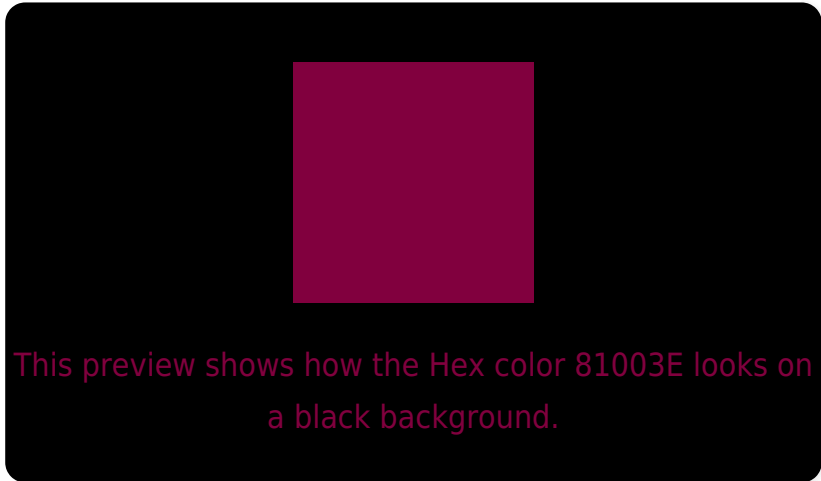
Large Text (above 18pt) WCAG AA ✓ Pass

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 81003E Background



This preview shows how black text looks on a background with the Hex color 81003E.



This preview shows how white text looks on a background with the Hex color 81003E.

# 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**  
81003E

**Protanopia**  
3C425A

**Deuteranopia**  
4D4039



**Tritanopia**  
7F1918

# Trichromacy



**Original Color**  
81003E

**Protanomaly**  
552A50

**Deuteranomaly**  
60293B

**Tritanomaly**  
801026

# Monochromacy



**Original Color**  
81003E

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
4C1D34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81003E 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 #81003E looks like.

```
.text, #text, p{  
    color:#81003E  
}
```

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 #81003E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81003E
}
```

## Border

The CSS property to change the border of an element to Hex 81003E is called "border". The border property can be set on classes, ids or directly on the HTML element.

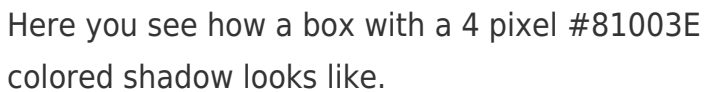
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#81003E }
```

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

```
.border{ border-color:#81003E }
```

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



Here you see how a box with a 4 pixel #81003E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81003E; -webkit-box-shadow:4px 4px  
4px 4px #81003E; box-shadow:4px 4px 4px  
4px #81003E }
```

# Background

The CSS property to change the background color of an element to Hex 81003E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81003E }
```

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

```
.background{ background-color:#81003E }
```

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