

# Converting Colors

Hex(51004E)

Have a look what the booklet for  
Hex(51004E) contains.

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# Color

**Hex(51004E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51004E
RGB	81, 0, 78
RGB Percent	32%, 0%, 31%
CMY	0.6824, 1.0000, 0.6941
CMYK	0.00, 1.00, 0.04, 0.68
HSL	302°, 100%, 16%
HSV	302°, 100%, 32%
XYZ	4.7685, 2.2994, 7.4002
YIQ	33.1110, 23.2380, 41.4300

# Conversions

## Conversions Part 2

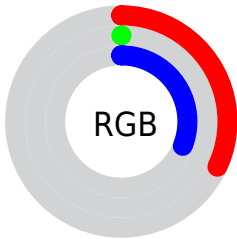
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 0, 78
Decimal	5308494
CIE <sub>Lab</sub>	16.99, 42.23, -24.75
CIE <sub>LCh</sub>	17, 48.946, 329.629
Yxy	2.2994, 0.3296, 0.1589
Android (android.graphics.Color)	4283498574 (0xFF51004E)
YUV	33.1110, 22.1303, 41.9987
Hunter-Lab	15.1637, 29.5957, -18.3202

# Details

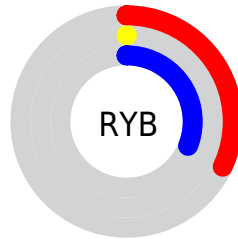
The Hex color **51004E** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **005103**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **853980**, and **220021** is the 20% darker color. If you saturate the color by 10%, you get **51004E**, and if you desaturate by 10%, it is **51084E**.

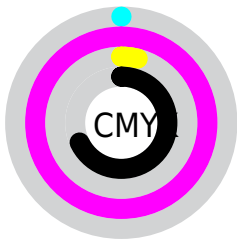
# Distribution



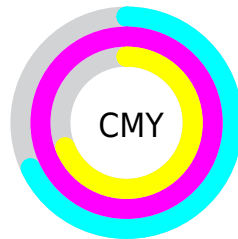
- Red (32%)
- Green (0%)
- Blue (31%)



- Red (32%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (68%)



- Cyan (68%)
- Magenta (100%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51004E 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 51004E by changing the saturation by 10% instead.



 51004E

 51004E

 FFF7FF

 380037

 853980

 220021

 A0539A

 000006

 BC6DB5

 000000

 D987D0

 F6A2ED

 FFBEFF

 FFDAFF

 51004E

■ 51084E

■ 51104F

■ 51184F

■ 51204F

■ 51294F

■ 513150

■ 513950

■ 514150

■ 514951

# Harmonies

## Analogous

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



1C2068



51004E



63002C

# Triad

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



51004E



352900



00384C

# Complementary

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



51004E



005103

# 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.



003728



51004E



103100

# Square

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



51004E



501800



003500



003667

# Rectangle

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



51004E



630015



003500



003841



# Sweetspot

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



51004E



694967



030051



362235



B5B5B5



363636



# Same Dimension

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



51004E



690065



510026



292529



E800DF

# Inverse Universe

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



51004E



690065



00512B



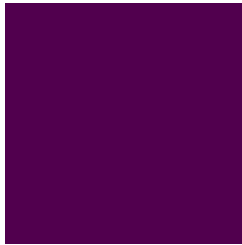
292529



E800DF

# Previews

## White Background



This preview shows how the Hex color 51004E looks on a white background.

## Color Contrast Check

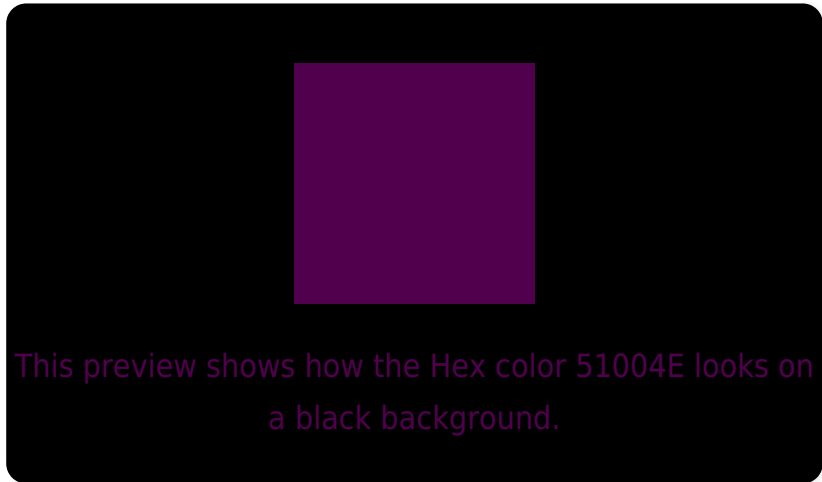
Large Text (above 18pt) WCAG AA ✓ Pass

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

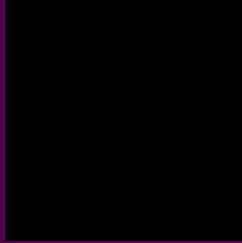
Any Text WCAG AA × Fail

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 51004E Background



This preview shows how black text looks on a background with the Hex color 51004E.



This preview shows how white text looks on a background with the Hex color 51004E.

# 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







# Trichromacy



**Original Color**  
51004E

**Protanomaly**  
1D1C58

**Deuteranomaly**  
311D4B

**Tritanomaly**  
4E1431

# Monochromacy



**Original Color**  
51004E

**Achromatopsia**  
212121

**Achromatomaly**  
321531

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51004E 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 #51004E looks like.

```
.text, #text, p{  
    color:#51004E  
}
```

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 #51004E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51004E
}
```

## Border

The CSS property to change the border of an element to Hex 51004E is called "border". The border property can be set on classes, ids or directly on the HTML element.

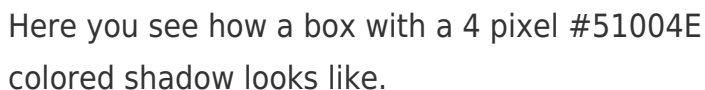
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#51004E }
```

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

```
.border{ border-color:#51004E }
```

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



Here you see how a box with a 4 pixel #51004E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51004E; -webkit-box-shadow:4px 4px  
4px 4px #51004E; box-shadow:4px 4px 4px  
4px #51004E }
```

# Background

The CSS property to change the background color of an element to Hex 51004E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51004E }
```

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

```
.background{ background-color:#51004E }
```

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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