

# Converting Colors

Hex(4D103A)

Have a look what the booklet for  
Hex(4D103A) contains.

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# Color

**Hex(4D103A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D103A
RGB	77, 16, 58
RGB Percent	30%, 6%, 23%
CMY	0.6980, 0.9373, 0.7725
CMYK	0.00, 0.79, 0.25, 0.70
HSL	319°, 66%, 18%
HSV	319°, 79%, 30%
XYZ	4.0096, 2.2539, 4.2267
YIQ	39.0270, 22.8740, 25.9940

# Conversions

## Conversions Part 2

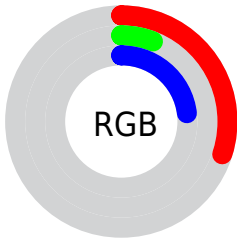
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 16, 58
Decimal	5050426
CIE Lab	16.77, 32.82, -11.22
CIE LCh	17, 34.687, 341.119
Yxy	2.2539, 0.3822, 0.2149
Android (android.graphics.Color)	4283240506 (0xFF4D103A)
YUV	39.0270, 9.3537, 33.3023
Hunter-Lab	15.0128, 21.4008, -6.1835

# Details

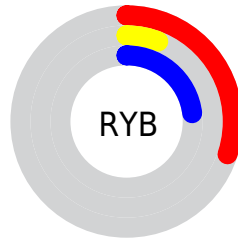
The Hex color **4D103A** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **104D23**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **804169**, and **1E000E** is the 20% darker color. If you saturate the color by 10%, you get **4D0838**, and if you desaturate by 10%, it is **4D183C**.

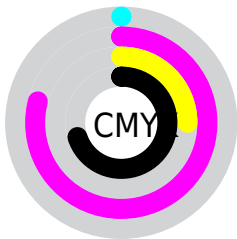
# Distribution



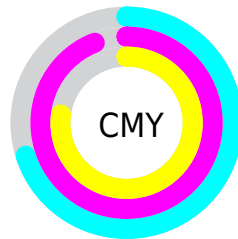
- Red (30%)
- Green (6%)
- Blue (23%)



- Red (30%)
- Yellow (6%)
- Blue (23%)



- Cyan (0%)
- Magenta (79%)
- Yellow (25%)
- Black (70%)



- Cyan (70%)
- Magenta (94%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D103A 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 4D103A by changing the saturation by 10% instead.



 4D103A

 4D103A

 FFFDFD

 350024

 804169

 1E000E

 9B5A82

 000000

 B7739C

 D38DB7

 F0A8D3

 FFC3EF

 FFE0FF

 4D103A

 4D103A

■ 4D0838

■ 4D183C

■ 4D0135

■ 4D1F3F

■ 4D0035

■ 4D2741

■ 4D2F44

■ 4D3746

■ 4D3E48

■ 4D464B

■ 4D4E4D

■ 4D5550

# Harmonies

## Analogous

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



351E4F



4D103A



540B21

# Triad

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



4D103A



2C2B00



00344A

# Complementary

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



4D103A



104D23

# 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.



003432



4D103A



103000

# Square

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



4D103A



412200



003318



003059

# Rectangle

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



4D103A



521111



003318



003442



# Sweetspot

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



4D103A



634C5C



22104D



33242E



B3B3B3



333333



# Same Dimension

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



4D103A



630546



4D101C



262225



660046



E6009E



# Inverse Universe

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



4D103A



630546



104D41



262225



660046

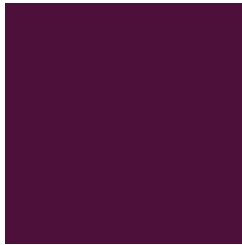


E6009E



# Previews

## White Background



This preview shows how the Hex color 4D103A looks on a white background.

## Color Contrast Check

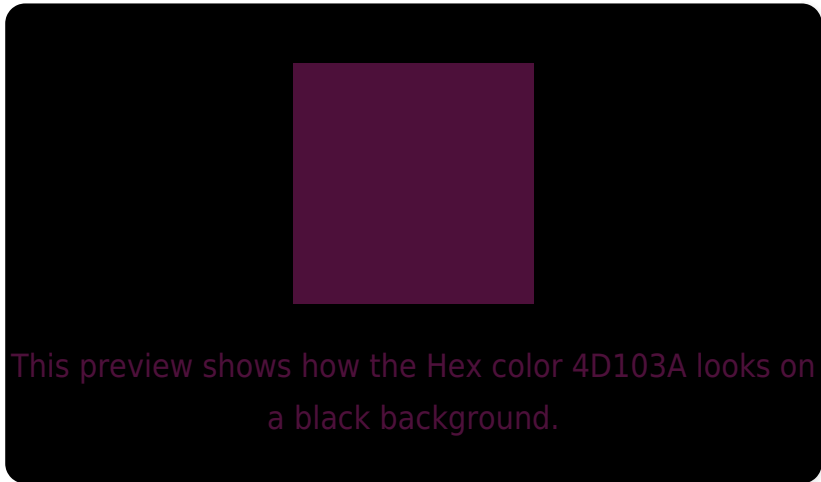
Large Text (above 18pt) WCAG AA ✓ Pass

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

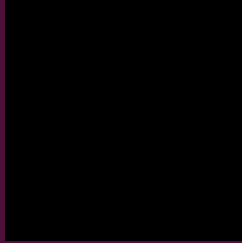
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4D103A Background



This preview shows how black text looks on a background with the Hex color 4D103A.



This preview shows how white text looks on a background with the Hex color 4D103A.

# 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**  
4D103A

**Protanopia**  
1A2A4E

**Deuteranopia**  
2A2B37



**Tritanopia**  
4B1B1C

# Trichromacy



**Original Color**  
4D103A

**Protanomaly**  
2D2147

**Deuteranomaly**  
372138

**Tritanomaly**  
4C1727

# Monochromacy



**Original Color**  
4D103A

**Achromatopsia**  
272727

**Achromatomaly**  
351F2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D103A 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 #4D103A looks like.

```
.text, #text, p{  
    color:#4D103A  
}
```

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 #4D103A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D103A
}
```

## Border

The CSS property to change the border of an element to Hex 4D103A 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
#4D103A }
```

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

```
.border{ border-color:#4D103A }
```

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

Here you see how a box with a 4 pixel #4D103A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D103A; -webkit-box-shadow:4px 4px  
4px 4px #4D103A; box-shadow:4px 4px 4px  
4px #4D103A }
```

# Background

The CSS property to change the background color of an element to Hex 4D103A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D103A }
```

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

```
.background{ background-color:#4D103A }
```

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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