

# Converting Colors

Hex(3A123D)

Have a look what the booklet for  
Hex(3A123D) contains.

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# Color

**Hex(3A123D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A123D
RGB	58, 18, 61
RGB Percent	23%, 7%, 24%
CMY	0.7725, 0.9294, 0.7608
CMYK	0.05, 0.70, 0.00, 0.76
HSL	296°, 54%, 15%
HSV	296°, 70%, 24%
XYZ	2.8035, 1.6691, 4.5893
YIQ	34.8620, 10.0370, 21.8530

# Conversions

## Conversions Part 2

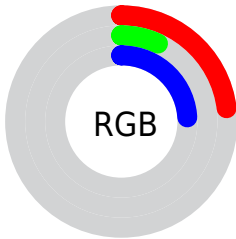
Format	Color
<b>R<sub>YB</sub></b>	58, 18, 61
Decimal	3805757
CIE Lab	13.64, 26.71, -18.49
CIE LCh	14, 32.484, 325.304
Yxy	1.6691, 0.3094, 0.1842
Android (android.graphics.Color)	4281995837 (0xFF3A123D)
YUV	34.8620, 12.8860, 20.2920
Hunter-Lab	12.9193, 16.1265, -12.0180

# Details

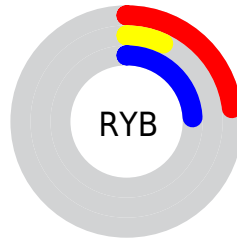
The Hex color **3A123D** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **153D12**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **6B406D**, and **000111** is the 20% darker color. If you saturate the color by 10%, you get **3A0C3D**, and if you desaturate by 10%, it is **3A183D**.

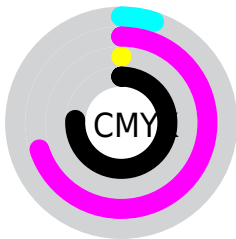
# Distribution



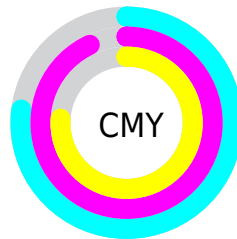
- Red (23%)
- Green (7%)
- Blue (24%)



- Red (23%)
- Yellow (7%)
- Blue (24%)



- Cyan (5%)
- Magenta (70%)
- Yellow (0%)
- Black (76%)



- Cyan (77%)
- Magenta (93%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A123D 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 3A123D by changing the saturation by 10% instead.



 3A123D

 3A123D

 FFF9FF

 250027

 6B406D

 000111

 855886

 000000

 9F71A0

 BA8ABB

 D7A5D7

 F3C0F4

 FFDCFF

 3A123D

 3A123D

■ 3A0C3D

■ 3A183D

■ 39063D

■ 3B1E3D

■ 39003D

■ 3B243D

■ 3C2A3D

■ 3C313D

■ 3D373D

■ 3D3D3D

■ 3D433D

■ 3E493D

# Harmonies

## Analogous

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



181E4C



3A123D



480627

# Triad

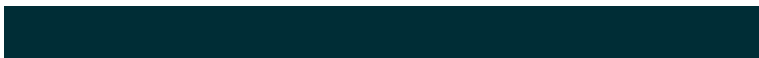
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



3A123D



302100



002D36

# Complementary

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



3A123D



153D12

# 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.



002C1E



3A123D



1B2700

# Square

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



3A123D



401600



002B02



002B48

# Rectangle

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



3A123D



4A0718



002B02



002D2E



# Sweetspot

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



3A123D



4E3E4F



12163D



281F29



A8A8A8



292929



# Same Dimension

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



3A123D



4A0C4F



3D122B



1E1C1F



58005E



CE00DE



# Inverse Universe

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



3D1215



4F0C11



123D24



1F1C1C



5E0007

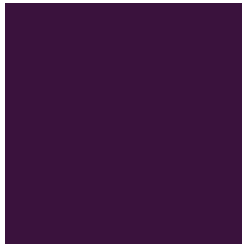


DE000F



# Previews

## White Background



This preview shows how the Hex color 3A123D looks on a white background.

## Color Contrast Check

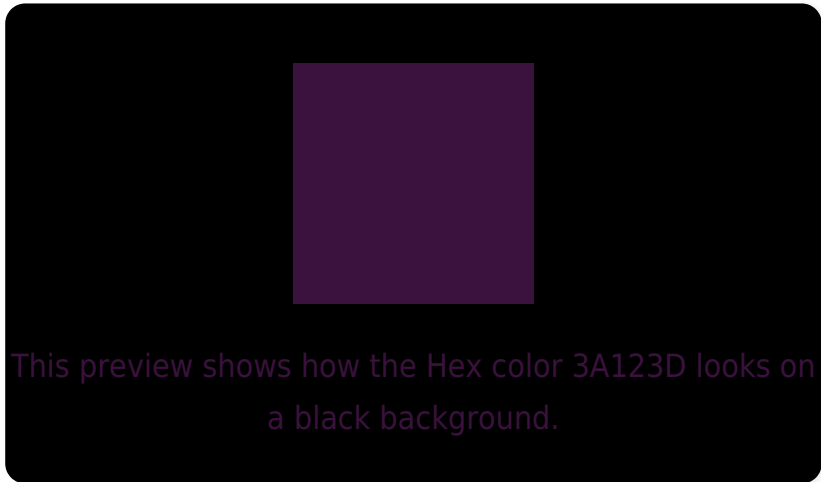
Large Text (above 18pt) WCAG AA ✓ Pass

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

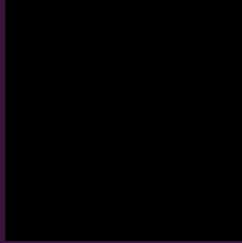
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3A123D Background



This preview shows how black text looks on a background with the Hex color 3A123D.



This preview shows how white text looks on a background with the Hex color 3A123D.

# 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](#).

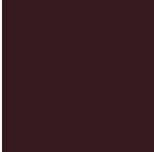
## Dichromacy



**Original Color**  
3A123D

**Protanopia**  
00234A

**Deuteranopia**  
18243A



**Tritanopia**  
361C1E

# Trichromacy



**Original Color**  
3A123D

**Protanomaly**  
151D45

**Deuteranomaly**  
241D3B

**Tritanomaly**  
371829

# Monochromacy



**Original Color**  
3A123D

**Achromatopsia**  
232323

**Achromatomaly**  
2B1D2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A123D 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 #3A123D looks like.

```
.text, #text, p{  
    color:#3A123D  
}
```

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 #3A123D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A123D
}
```

## Border

The CSS property to change the border of an element to Hex 3A123D is called "border". The border property can be set on classes, ids or directly on the HTML element.

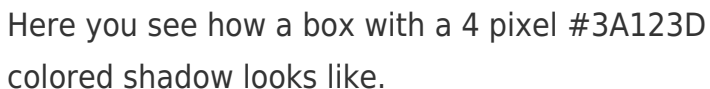
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3A123D }
```

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

```
.border{ border-color:#3A123D }
```

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



Here you see how a box with a 4 pixel #3A123D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A123D; -webkit-box-shadow:4px 4px  
4px 4px #3A123D; box-shadow:4px 4px 4px  
4px #3A123D }
```

# Background

The CSS property to change the background color of an element to Hex 3A123D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A123D }
```

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

```
.background{ background-color:#3A123D }
```

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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