

# Converting Colors

Hex(51163A)

Have a look what the booklet for  
Hex(51163A) contains.

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# Color

**Hex(51163A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51163A
RGB	81, 22, 58
RGB Percent	32%, 9%, 23%
CMY	0.6824, 0.9137, 0.7725
CMYK	0.00, 0.73, 0.28, 0.68
HSL	323°, 57%, 20%
HSV	323°, 73%, 32%
XYZ	4.4440, 2.6286, 4.2761
YIQ	43.7450, 23.6080, 23.7040

# Conversions

## Conversions Part 2

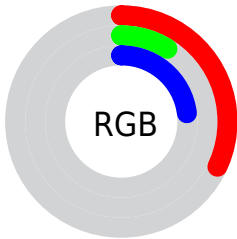
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 22, 58
Decimal	5314106
CIE <sub>Lab</sub>	18.49, 31.46, -8.52
CIE <sub>LCh</sub>	18, 32.593, 344.855
Yxy	2.6286, 0.3916, 0.2316
Android (android.graphics.Color)	4283504186 (0xFF51163A)
YUV	43.7450, 7.0277, 32.6726
Hunter-Lab	16.2131, 20.5536, -4.2884




# Details

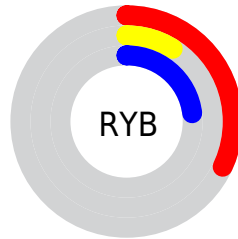
The Hex color **51163A** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **16512D**, and the grayscale version is **2C2C2C**.




A 20% lighter version of the original color is **854669**, and **24000F** is the 20% darker color. If you saturate the color by 10%, you get **510E37**, and if you desaturate by 10%, it is **511E3D**.

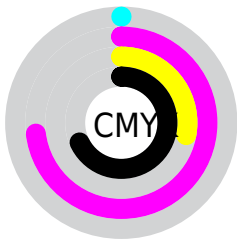
# Distribution







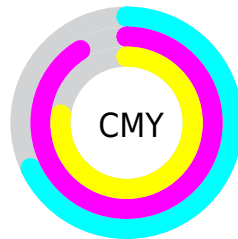
-  Red (32%)
-  Green (9%)
-  Blue (23%)






-  Red (32%)
-  Yellow (9%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (73%)
-  Yellow (28%)
-  Black (68%)




-  Cyan (68%)
-  Magenta (91%)
-  Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 51163A 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 51163A by changing the saturation by 10% instead.



 51163A

 51163A

FFFFFF

 380024

 854669

 24000F

 A05F82

 000000


 BB789C


 D892B7

 F4ADD3

 FFC9EF

 FFE5FF

 51163A

 51163A

■ 510E37

■ 511E3D

■ 510634

■ 512640

■ 510031

■ 512E43

■ 513647

■ 513F4A

■ 51474D

■ 514F50

■ 515753

■ 515F56

# Harmonies

## Analogous

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



3D214F



51163A



571422

# Triad

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



51163A



2E2F00



00374E

# Complementary

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



51163A



16512D

# 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.



003838



51163A



113406

# Square

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



51163A



422700



003720



00335B

# Rectangle

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



51163A



541913



003720



003748



# Sweetspot

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



51163A



695260



2D1651



362830



B5B5B5



363636



# Same Dimension

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



51163A



690E45



51161D



292527



690040



E8008E



# Inverse Universe

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



51163A



690E45



16514A



292527



690040

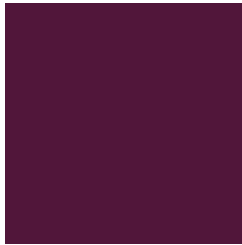


E8008E



# Previews

## White Background



This preview shows how the Hex color 51163A looks on a white background.

## Color Contrast Check

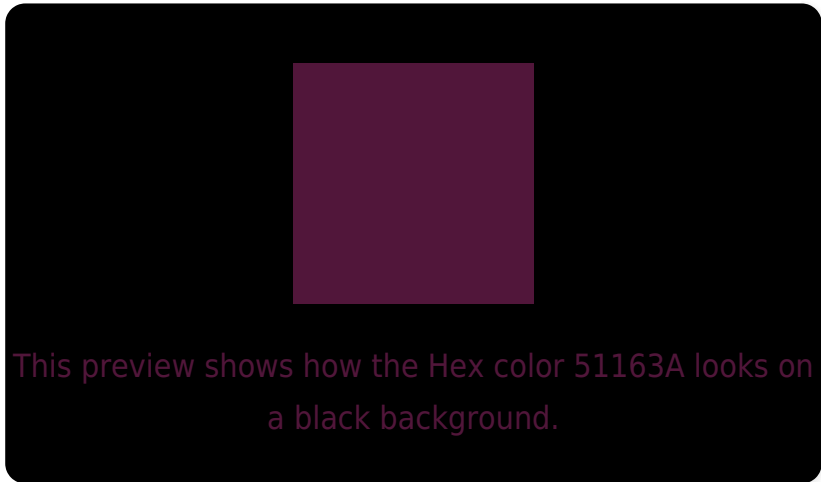
Large Text (above 18pt) WCAG AA ✓ Pass

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

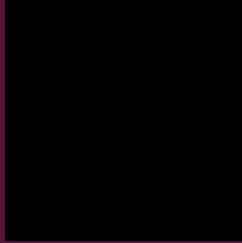
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 51163A Background



This preview shows how black text looks on a background with the Hex color 51163A.



This preview shows how white text looks on a background with the Hex color 51163A.

# 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**  
51163A

**Protanopia**  
232E4B

**Deuteranopia**  
2F2D37



**Tritanopia**  
4F1E20

# Trichromacy



**Original Color**  
51163A

**Protanomaly**  
342545

**Deuteranomaly**  
3B2538

**Tritanomaly**  
501B29

# Monochromacy



**Original Color**  
51163A

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
392431

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51163A 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 #51163A looks like.

```
.text, #text, p{  
    color:#51163A  
}
```

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 #51163A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51163A
}
```

## Border

The CSS property to change the border of an element to Hex 51163A is called "border". The border property can be set on classes, ids or directly on the HTML element.

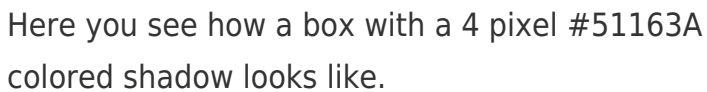
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#51163A }
```

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

```
.border{ border-color:#51163A }
```

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



Here you see how a box with a 4 pixel #51163A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51163A; -webkit-box-shadow:4px 4px  
4px 4px #51163A; box-shadow:4px 4px 4px  
4px #51163A }
```

# Background

The CSS property to change the background color of an element to Hex 51163A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51163A }
```

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

```
.background{ background-color:#51163A }
```

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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