

# Converting Colors

Hex(5A1633)

Have a look what the booklet for  
Hex(5A1633) contains.

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# Color

**Hex(5A1633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A1633
RGB	90, 22, 51
RGB Percent	35%, 9%, 20%
CMY	0.6471, 0.9137, 0.8000
CMYK	0.00, 0.76, 0.43, 0.65
HSL	334°, 61%, 22%
HSV	334°, 76%, 35%
XYZ	5.1009, 2.9865, 3.4396
YIQ	45.6380, 31.2190, 23.4350

# Conversions

## Conversions Part 2

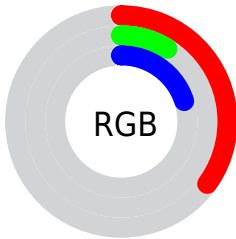
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 22, 51
Decimal	5903923
CIELab	19.99, 33.47, -1.17
CIElCh	20, 33.491, 357.994
Yxy	2.9865, 0.4425, 0.2591
Android (android.graphics.Color)	4284094003 (0xFF5A1633)
YUV	45.6380, 2.6435, 38.9055
Hunter-Lab	17.2815, 22.4445, 0.2964

# Details

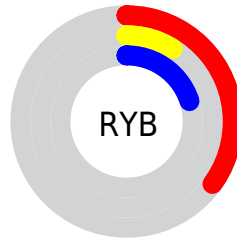
The Hex color **5A1633** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **165A3D**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **8F4761**, and **2D0004** is the 20% darker color. If you saturate the color by 10%, you get **5A0D2E**, and if you desaturate by 10%, it is **5A1F38**.

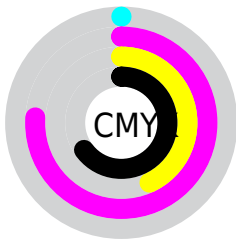
# Distribution



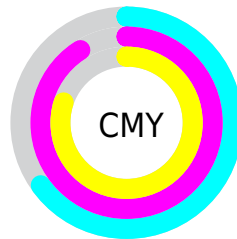
- Red (35%)
- Green (9%)
- Blue (20%)



- Red (35%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (76%)
- Yellow (43%)
- Black (65%)



- Cyan (65%)
- Magenta (91%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A1633 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 5A1633 by changing the saturation by 10% instead.



 5A1633

 5A1633

FFFFFF

 40001E

 8F4761

 2D0004

 AB607A

 000000

 C77A94

 E494AE

 FFAFCA

 FFCBE6

 FFE8FF

 5A1633

 5A1633

■ 5A0D2E

■ 5A1F38

■ 5A0429

■ 5A283D

■ 5A0026

■ 5A3142

■ 5A3A48

■ 5A434D

■ 5A4C52

■ 5A5557

■ 5A5E5C

■ 5A6761

# Harmonies

## Analogous

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



4C1F4B



5A1633



5A1A1B

# Triad

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



5A1633



263500



00395A

# Complementary

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



5A1633



165A3D

# 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.



003B47



5A1633



003915

# Square

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



5A1633



3E2F00



003B2E



003462

# Rectangle

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



5A1633



54210B



003B2E



003A54



# Sweetspot

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



5A1633



755A66



3D165A



3B2A31



BABABA



3B3B3B



# Same Dimension

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



5A1633



750B38



5A1B16



2E292B



6E002F



ED0065



# Inverse Universe

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



5A1633



750B38



16555A



2E292B



6E002F

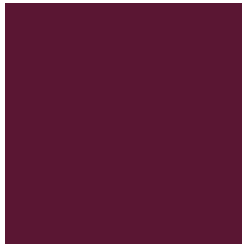


ED0065



# Previews

## White Background



This preview shows how the Hex color 5A1633 looks on a white background.

## Color Contrast Check

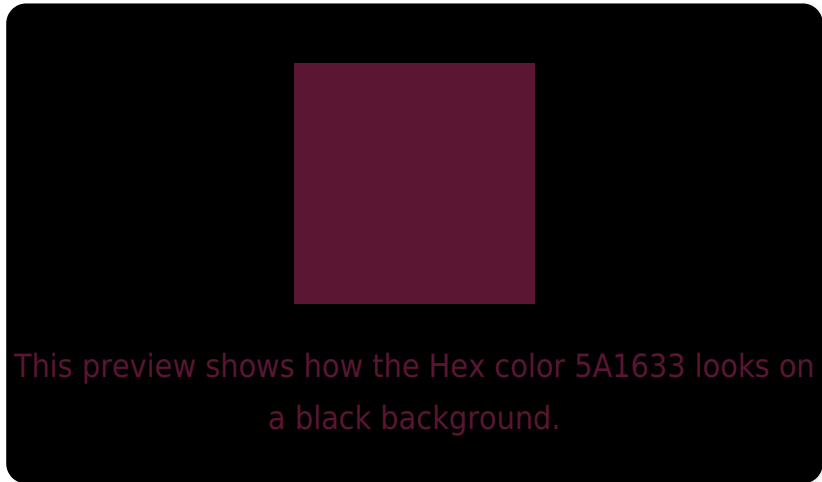
Large Text (above 18pt) WCAG AA ✓ Pass

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

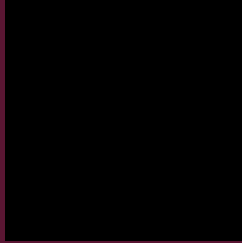
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A1633 Background



This preview shows how black text looks on a background with the Hex color 5A1633.



This preview shows how white text looks on a background with the Hex color 5A1633.

# 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**  
5A1633

**Protanopia**  
2D3144

**Deuteranopia**  
383030



# Trichromacy



**Original Color**  
5A1633

**Protanomaly**  
3D273E

**Deuteranomaly**  
442731

**Tritanomaly**  
591A25

# Monochromacy



**Original Color**  
5A1633

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
3E2530

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A1633 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 #5A1633 looks like.

```
.text, #text, p{  
    color:#5A1633  
}
```

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 #5A1633 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A1633
}
```

## Border

The CSS property to change the border of an element to Hex 5A1633 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
#5A1633 }
```

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

```
.border{ border-color:#5A1633 }
```

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

Here you see how a box with a 4 pixel #5A1633 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A1633; -webkit-box-shadow:4px 4px  
4px 4px #5A1633; box-shadow:4px 4px 4px  
4px #5A1633 }
```

# Background

The CSS property to change the background color of an element to Hex 5A1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A1633 }
```

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

```
.background{ background-color:#5A1633 }
```

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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