

# Converting Colors

Hex(5E0000)

Have a look what the booklet for  
Hex(5E0000) contains.

<b>Hex(5E0000)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(5E0000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E0000
RGB	94, 0, 0
RGB Percent	37%, 0%, 0%
CMY	0.6314, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.63
HSL	0°, 100%, 18%
HSV	0°, 100%, 37%
XYZ	4.6161, 2.3797, 0.2160
YIQ	28.1060, 56.0240, 19.9280

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	94, 0, 0
Decimal	6160384
CIELab	17.37, 38.61, 26.85
CIElCh	17, 47.026, 34.818
Yxy	2.3797, 0.6401, 0.3300
Android (android.graphics.Color)	4284350464 (0xFF5E0000)
YUV	28.1060, -13.8563, 57.7890
Hunter-Lab	15.4262, 26.4179, 9.9681

# Details

The Hex color **5E0000** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **005E5E**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **97392F**, and **280001** is the 20% darker color. If you saturate the color by 10%, you get **5E0000**, and if you desaturate by 10%, it is **5E0909**.

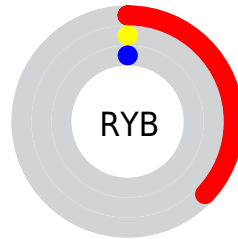
# Distribution



Red (37%)

Green (0%)

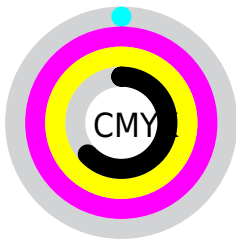
Blue (0%)



Red (37%)

Yellow (0%)

Blue (0%)

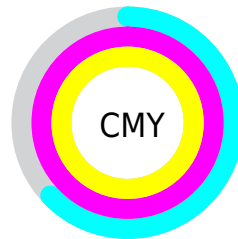


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (63%)



Cyan (63%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5E0000 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 5E0000 by changing the saturation by 10% instead.



 5E0000

 5E0000

 FFF6E1

 420000

 97392F

 280001

 B45345

 000000

 D26C5D

 F08776

 FFA290

 FFBDA4

 FFDAC5

 5E0000

■ 5E0909

■ 5E1313

■ 5E1C1C

■ 5E2626

■ 5E2F2F

■ 5E3838

■ 5E4242

■ 5E4B4B

■ 5E5555

# Harmonies

## Analogous

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



630027



5E0000



4C1D00

# Triad

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



5E0000



00360A



002E6F

# Complementary

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



5E0000



005E5E

# 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.



003669



5E0000



00382F

# Square

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



5E0000



093300



003851



2C1E63

# Rectangle

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



5E0000



3B2700



003851



00316F



# Sweetspot

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



5E0000



7A5656



5E005E



3D2727



BDBDBD



3D3D3D



# Same Dimension

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



5E0000



7A0000



5E2F00



2E2929



6E0000



ED0000



# Inverse Universe

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



005E5E



007A7A



002F5E



292E2E



006E6E

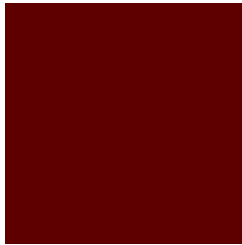


00EDED



# Previews

## White Background



This preview shows how the Hex color 5E0000 looks on a white background.

## Color Contrast Check

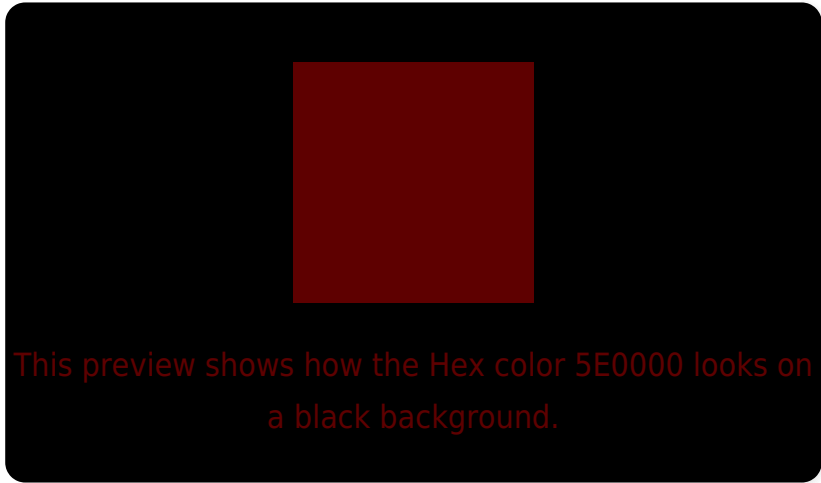
Large Text (above 18pt) WCAG AA ✓ Pass

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

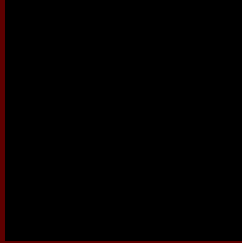
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5E0000 Background



This preview shows how black text looks on a background with the Hex color 5E0000.



This preview shows how white text looks on a background with the Hex color 5E0000.

# 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**  
5E0000

**Protanopia**  
35300C

**Deuteranopia**  
3C2D00



**Tritanopia**  
5D0900

# Trichromacy



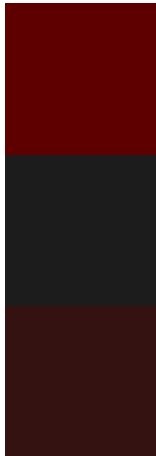
**Original Color**  
5E0000

**Protanomaly**  
441F08

**Deuteranomaly**  
481D00

**Tritanomaly**  
5D0600

# Monochromacy



**Original Color**  
5E0000

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
341212

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5E0000 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 #5E0000 looks like.

```
.text, #text, p{  
    color:#5E0000  
}
```

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 #5E0000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5E0000
}
```

## Border

The CSS property to change the border of an element to Hex 5E0000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

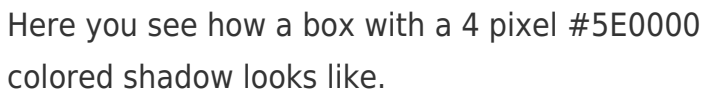
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5E0000 }
```

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

```
.border{ border-color:#5E0000 }
```

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



Here you see how a box with a 4 pixel #5E0000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5E0000; -webkit-box-shadow:4px 4px  
4px 4px #5E0000; box-shadow:4px 4px 4px  
4px #5E0000 }
```

# Background

The CSS property to change the background color of an element to Hex 5E0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5E0000 }
```

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

```
.background{ background-color:#5E0000 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**