

# Converting Colors

Hex(5A4400)

Have a look what the booklet for  
Hex(5A4400) contains.

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**Color**

**Hex(5A4400)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A4400
RGB	90, 68, 0
RGB Percent	35%, 27%, 0%
CMY	0.6471, 0.7333, 1.0000
CMYK	0.00, 0.24, 1.00, 0.65
HSL	45°, 100%, 18%
HSV	45°, 100%, 35%
XYZ	6.2836, 6.3079, 0.8864
YIQ	66.8260, 34.9400, -16.4840

# Conversions

## Conversions Part 2

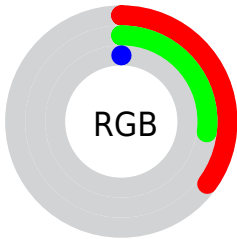
<b>Format</b>	<b>Color</b>
<b>RYB</b>	29, 90, 0
Decimal	5915648
CIELab	30.18, 3.14, 39.35
CIELCh	30, 39.475, 85.440
Yxy	6.3079, 0.4662, 0.4680
Android (android.graphics.Color)	4284105728 (0xFF5A4400)
YUV	66.8260, -32.9452, 20.3236
Hunter-Lab	25.1155, 0.7061, 15.4884

# Details

The Hex color **5A4400** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **00165A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **907432**, and **281A00** is the 20% darker color. If you saturate the color by 10%, you get **5A4400**, and if you desaturate by 10%, it is **5A4609**.

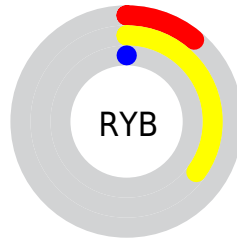
# Distribution



Red (35%)

Green (27%)

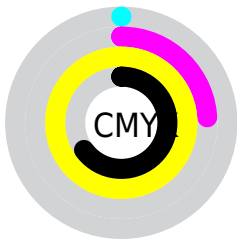
Blue (0%)



Red (11%)

Yellow (35%)

Blue (0%)

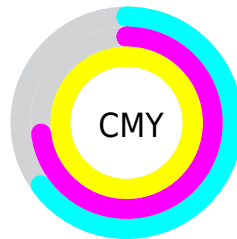


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (65%)



Cyan (65%)

Magenta (73%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A4400 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 5A4400 by changing the saturation by 10% instead.



 5A4400

 5A4400

 FFFFEB

 412E00

 907432

 281A00

 AB8D4B

 090000

 C8A864

 000000

 E5C37D

 FFDF98

 FFFBB3

 FFFFCE

 5A4400

■ 5A4609

■ 5A4812

■ 5A4B1B

■ 5A4D24

■ 5A4F2D

■ 5A5136

■ 5A533F

■ 5A5648

■ 5A5851

# Harmonies

## Analogous

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



703814



5A4400



3D4D06

# Triad

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



5A4400



005561



67336A

# Complementary

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



5A4400



00165A

# 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.



3E417F



5A4400



005379

# Square

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



5A4400



005541



004C84



7B294D

# Rectangle

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



5A4400



235118



004C84



5C3873



# Sweetspot

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



5A4400



756D52



5A0017



3B3526



BABABA



3B3B3B



# Same Dimension

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



5A4400



755900



445A00



2E2D29



6E5300



EDB300



# Inverse Universe

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



00165A



001D75



17005A



292A2E



001B6E



003AED



# Previews

## White Background



This preview shows how the Hex color 5A4400 looks on a white background.

## Color Contrast Check

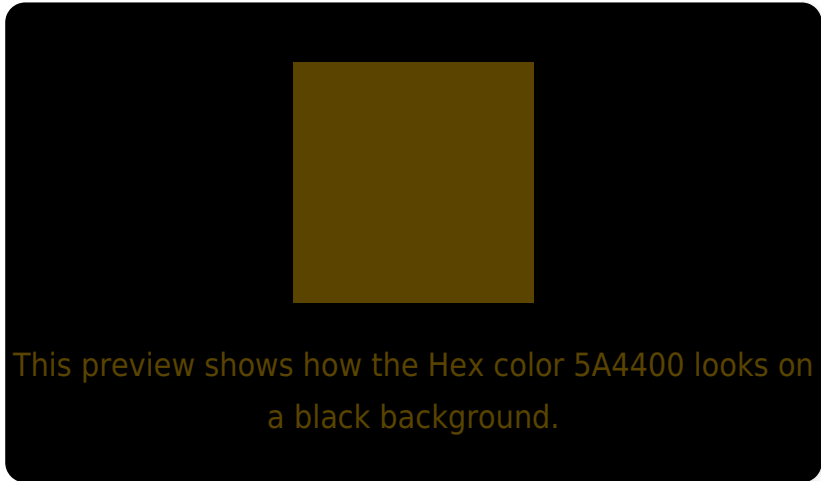
Large Text (above 18pt) WCAG AA ✓ Pass

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

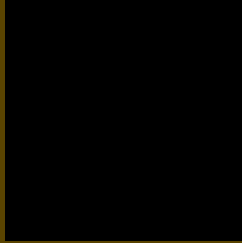
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A4400 Background



This preview shows how black text looks on a background with the Hex color 5A4400.



This preview shows how white text looks on a background with the Hex color 5A4400.

# 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**  
5A4400

**Protanopia**  
514805

**Deuteranopia**  
5A4402



**Tritanopia**  
5D3F44

# Trichromacy



**Original Color**  
5A4400

**Protanomaly**  
544703

**Deuteranomaly**  
5A4401

**Tritanomaly**  
5C412B

# Monochromacy



**Original Color**  
5A4400

**Achromatopsia**  
434343

**Achromatomaly**  
4B432B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A4400 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 #5A4400 looks like.

```
.text, #text, p{  
    color:#5A4400  
}
```

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 #5A4400 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A4400
}
```

## Border

The CSS property to change the border of an element to Hex 5A4400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

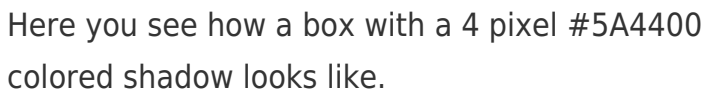
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5A4400 }
```

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

```
.border{ border-color:#5A4400 }
```

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

A rectangular box with a 4px #5A4400 colored shadow. The box is white with a thin black border and a dark brown shadow on the right and bottom sides.

Here you see how a box with a 4 pixel #5A4400 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A4400; -webkit-box-shadow:4px 4px  
4px 4px #5A4400; box-shadow:4px 4px 4px  
4px #5A4400 }
```

# Background

The CSS property to change the background color of an element to Hex 5A4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A4400 }
```

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

```
.background{ background-color:#5A4400 }
```

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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