

# Converting Colors

Hex(5A6F22)

Have a look what the booklet for  
Hex(5A6F22) contains.

<b>Hex(5A6F22)</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(5A6F22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A6F22
RGB	90, 111, 34
RGB Percent	35%, 44%, 13%
CMY	0.6471, 0.5647, 0.8667
CMYK	0.19, 0.00, 0.69, 0.56
HSL	76°, 53%, 28%
HSV	76°, 69%, 44%
XYZ	10.1896, 13.6580, 3.6126
YIQ	95.9430, 12.2010, -28.3990

# Conversions

## Conversions Part 2

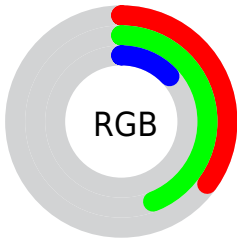
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 111, 55
Decimal	5926690
CIE <sub>Lab</sub>	43.74, -19.97, 38.73
CIE <sub>LCh</sub>	44, 43.575, 117.274
Yxy	13.6580, 0.3711, 0.4974
Android (android.graphics.Color)	4284116770 (0xFF5A6F22)
YUV	95.9430, -30.5379, -5.2120
Hunter-Lab	36.9568, -15.4588, 20.0740

# Details

The Hex color **5A6F22** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **37226F**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **8EA353**, and **2A3F00** is the 20% darker color. If you saturate the color by 10%, you get **576F17**, and if you desaturate by 10%, it is **5D6F2D**.

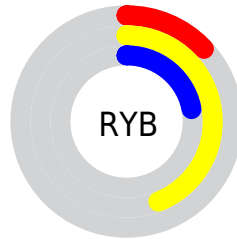
# Distribution



Red (35%)

Green (44%)

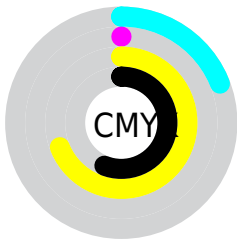
Blue (13%)



Red (13%)

Yellow (44%)

Blue (22%)

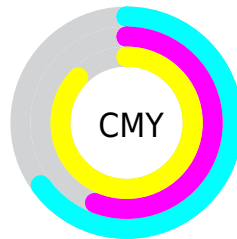


Cyan (19%)

Magenta (0%)

Yellow (69%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A6F22 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 5A6F22 by changing the saturation by 10% instead.





5A6F22



5A6F22

FFFFFF



415707



8EA353



2A3F00



A9BE6C



102900



C5DA86



001600



E2F6A1



000000



FFFFBD



FFFFD9



FFFFF5



5A6F22



5A6F22

■ 576F17

■ 5D6F2D

■ 546F0C

■ 606F38

■ 516F01

■ 636F43

■ 516F00

■ 666F4E

■ 696F5A

■ 6C6F65

■ 6F6F70

■ 726F7B

■ 756F86

# Harmonies

## Analogous

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



7D6419



5A6F22



28763E

# Triad

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



5A6F22



0075A4



A6466C

# Complementary

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



5A6F22



37226F

# 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.



90508F



5A6F22



006CB0

# Square

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



5A6F22



007987



625FA8



A84A48

# Rectangle

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



5A6F22



007856



625FA8



A14878



# Sweetspot

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



5A6F22



899173



6F3722



454A37



C9C9C9



4A4A4A



# Same Dimension

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



5A6F22



709119



346F22



373832



577800



B4F700



# Inverse Universe

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



37226F



3A1991



5D226F



343238



210078



4300F7



# Previews

## White Background



This preview shows how the Hex color 5A6F22 looks on a white background.

## Color Contrast Check

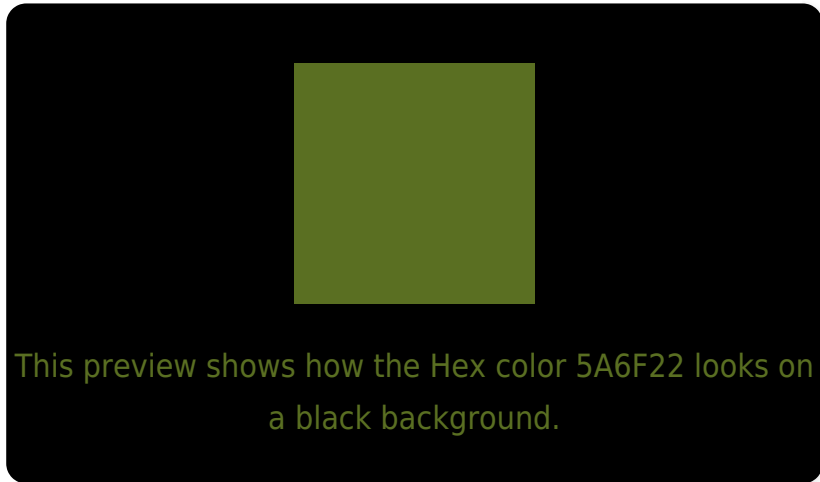
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

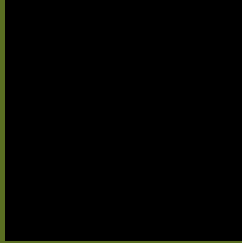
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A6F22 Background



This preview shows how black text looks on a background with the Hex color 5A6F22.



This preview shows how white text looks on a background with the Hex color 5A6F22.

# 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**  
5A6F22

**Protanopia**  
746720

**Deuteranopia**  
816227



**Tritanopia**  
636870

# Trichromacy



**Original Color**  
5A6F22

**Protanomaly**  
6B6A21

**Deuteranomaly**  
736725

**Tritanomaly**  
606B54

# Monochromacy



**Original Color**  
5A6F22

**Achromatopsia**  
606060

**Achromatomaly**  
5E6549

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A6F22 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 #5A6F22 looks like.

```
.text, #text, p{  
    color:#5A6F22  
}
```

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 #5A6F22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A6F22
}
```

## Border

The CSS property to change the border of an element to Hex 5A6F22 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
#5A6F22 }
```

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

```
.border{ border-color:#5A6F22 }
```

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

Here you see how a box with a 4 pixel #5A6F22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A6F22; -webkit-box-shadow:4px 4px  
4px 4px #5A6F22; box-shadow:4px 4px 4px  
4px #5A6F22 }
```

# Background

The CSS property to change the background color of an element to Hex 5A6F22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A6F22 }
```

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

```
.background{ background-color:#5A6F22 }
```

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