

# Converting Colors

Hex(566E22)

Have a look what the booklet for  
Hex(566E22) contains.

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**Color**

**Hex(566E22)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	566E22
RGB	86, 110, 34
RGB Percent	34%, 43%, 13%
CMY	0.6627, 0.5686, 0.8667
CMYK	0.22, 0.00, 0.69, 0.57
HSL	79°, 53%, 28%
HSV	79°, 69%, 43%
XYZ	9.7024, 13.2458, 3.5587
YIQ	94.1600, 10.0920, -28.7240

# Conversions

## Conversions Part 2

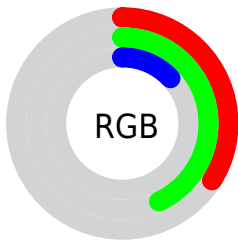
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 110, 58
Decimal	5664290
CIE <sub>Lab</sub>	43.13, -21.20, 38.01
CIE <sub>LCh</sub>	43, 43.518, 119.152
Yxy	13.2458, 0.3660, 0.4997
Android (android.graphics.Color)	4283854370 (0xFF566E22)
YUV	94.1600, -29.6589, -7.1563
Hunter-Lab	36.3948, -16.1048, 19.6789

# Details

The Hex color **566E22** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3A226E**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **8AA253**, and **263E00** is the 20% darker color. If you saturate the color by 10%, you get **536E17**, and if you desaturate by 10%, it is **596E2D**.

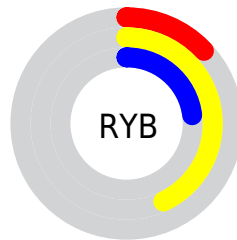
# Distribution



Red (34%)

Green (43%)

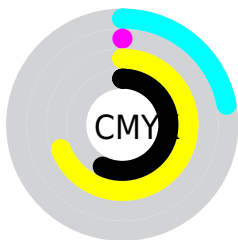
Blue (13%)



Red (13%)

Yellow (43%)

Blue (23%)

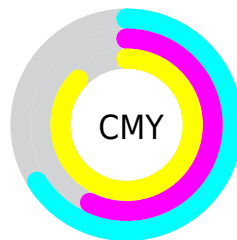


Cyan (22%)

Magenta (0%)

Yellow (69%)

Black (57%)



Cyan (66%)

Magenta (57%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 566E22 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 566E22 by changing the saturation by 10% instead.





566E22



566E22

FFFFFF



3D5607



8AA253



263E00



A5BD6C



0C2800



C1D986



001300



DDF5A1



000000



FAFFBC



FFFFD8



FFFFF5



566E22



566E22

■ 536E17

■ 596E2D

■ 4F6E0C

■ 5D6E38

■ 4C6E01

■ 606E43

■ 4B6E00

■ 646E4E

■ 676E59

■ 6B6E64

■ 6E6E6F

■ 726E7A

■ 756E85

# Harmonies

## Analogous

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



7A6417



566E22



22743F

# Triad

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



566E22



0073A3



A54568

# Complementary

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



566E22



3A226E

# 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.



914E8B



566E22



006AAE

# Square

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



566E22



007788



655DA5



A64945

# Rectangle

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



566E22



007657



655DA5



A14675



# Sweetspot

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



566E22



858F71



6E3922



424736



C7C7C7



474747



# Same Dimension

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



566E22



698F18



316E22



363832



527800



A9F700



# Inverse Universe

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



3A226E



3E188F



5F226E



343238



260078



4E00F7



# Previews

## White Background



This preview shows how the Hex color 566E22 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

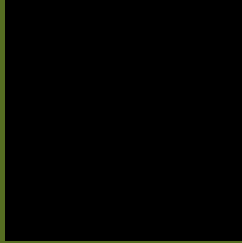
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 566E22 Background



This preview shows how black text looks on a background with the Hex color 566E22.



This preview shows how white text looks on a background with the Hex color 566E22.

# 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](#).

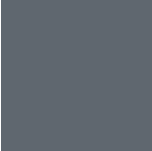
## Dichromacy



**Original Color**  
566E22

**Protanopia**  
726620

**Deuteranopia**  
7F6127



**Tritanopia**  
5F676F

# Trichromacy



**Original Color**  
566E22

**Protanomaly**  
686921

**Deuteranomaly**  
706625

**Tritanomaly**  
5C6A53

# Monochromacy



**Original Color**  
566E22

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
5B6448

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 566E22 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 #566E22 looks like.

```
.text, #text, p{  
    color:#566E22  
}
```

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 #566E22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #566E22
}
```

## Border

The CSS property to change the border of an element to Hex 566E22 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
#566E22 }
```

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

```
.border{ border-color:#566E22 }
```

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

Here you see how a box with a 4 pixel #566E22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #566E22; -webkit-box-shadow:4px 4px  
4px 4px #566E22; box-shadow:4px 4px 4px  
4px #566E22 }
```

# Background

The CSS property to change the background color of an element to Hex 566E22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#566E22 }
```

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

```
.background{ background-color:#566E22 }
```

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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