

# Converting Colors

Hex(438B42)

Have a look what the booklet for  
Hex(438B42) contains.

<b>Hex(438B42)</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(438B42)**

# Conversions

## Conversions Part 1

Format	Color
Hex	438B42
RGB	67, 139, 66
RGB Percent	26%, 55%, 26%
CMY	0.7373, 0.4549, 0.7412
CMYK	0.52, 0.00, 0.53, 0.45
HSL	119°, 36%, 40%
HSV	119°, 53%, 55%
XYZ	12.5307, 20.0519, 8.3642
YIQ	109.1500, -19.4790, -37.9670

# Conversions

## Conversions Part 2

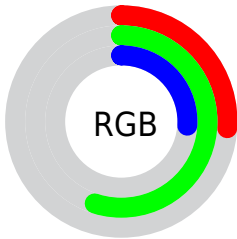
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 139, 138
Decimal	4426562
CIELab	51.90, -38.18, 32.04
CIElCh	52, 49.842, 139.993
Yxy	20.0519, 0.3060, 0.4897
Android (android.graphics.Color)	4282616642 (0xFF438B42)
YUV	109.1500, -21.2729, -36.9655
Hunter-Lab	44.7793, -28.4136, 20.2709

# Details

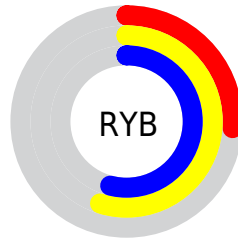
The Hex color **438B42** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8A428B**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **79C174**, and **015812** is the 20% darker color. If you saturate the color by 10%, you get **358B34**, and if you desaturate by 10%, it is **518B50**.

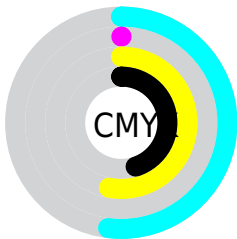
# Distribution



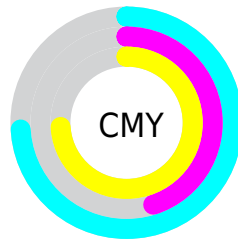
- Red (26%)
- Green (55%)
- Blue (26%)



- Red (26%)
- Yellow (55%)
- Blue (54%)



- Cyan (52%)
- Magenta (0%)
- Yellow (53%)
- Black (45%)



- Cyan (74%)
- Magenta (45%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 438B42 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 438B42 by changing the saturation by 10% instead.





438B42



438B42

FFFFFF



27712A



79C174



015812



94DD8E



004000



B0FAA8



002A00



CCFFC4



000D00



E9FFE0



000000

FFFFFFD



438B42



438B42



358B34



518B50

 288B26

 5E8B5E

 1A8B18

 6C8B6C

 0C8B0A

 7A8B7A

 028B00

 888B88

 958B95

 A38BA3

 B18BB1

 BE8BBF

# Harmonies

## Analogous

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



778224



438B42



00906B

# Triad

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



438B42



0085D0



CA5661

# Complementary

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



438B42



8A428B

# 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.



C2568C



438B42



6376CC

# Square

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



438B42



008DBC



A264B3



BC643B

# Rectangle

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



438B42



009089



A264B3



CA546F



# Sweetspot

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



438B42



98B598



8B8A42



4B5C4A



DBDBDB



5C5C5C



# Same Dimension

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



438B42



45B543



428B65



3E453E



028500



000500



# Inverse Universe

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



8A428B



B343B5



8B4268



453E45



830085



050005



# Previews

## White Background



This preview shows how the Hex color 438B42 looks on a white background.

## Color Contrast Check

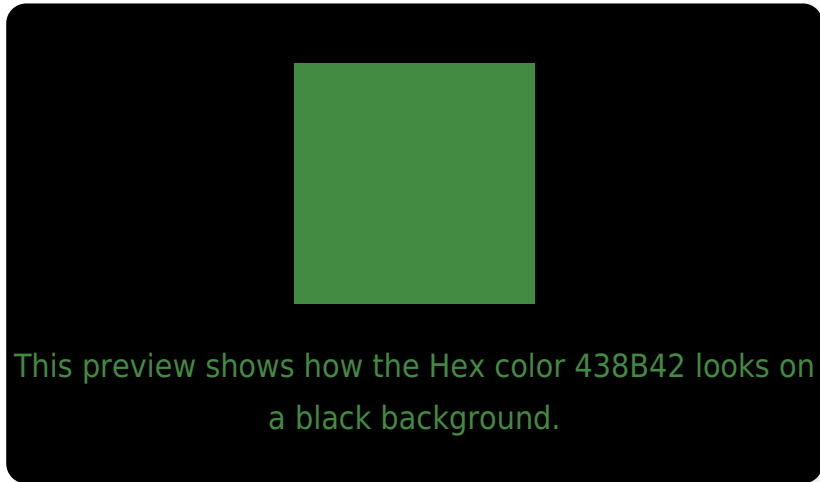
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

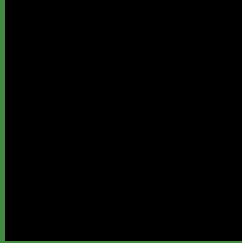
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 438B42 Background



This preview shows how black text looks on a background with the Hex color 438B42.




This preview shows how white text looks on a background with the Hex color 438B42.

# 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





**Tritanopia**  
53838D

# Trichromacy



**Original Color**  
438B42

**Protanomaly**  
6F813F

**Deuteranomaly**  
787D46

**Tritanomaly**  
4D8672

# Monochromacy



**Original Color**  
438B42

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
5E785D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 438B42 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 #438B42 looks like.

```
.text, #text, p{  
    color:#438B42  
}
```

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 #438B42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #438B42
}
```

## Border

The CSS property to change the border of an element to Hex 438B42 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
#438B42 }
```

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

```
.border{ border-color:#438B42 }
```

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

Here you see how a box with a 4 pixel #438B42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #438B42; -webkit-box-shadow:4px 4px  
4px 4px #438B42; box-shadow:4px 4px 4px  
4px #438B42 }
```

# Background

The CSS property to change the background color of an element to Hex 438B42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#438B42 }
```

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

```
.background{ background-color:#438B42 }
```

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