

# Converting Colors

Hex(468732)

Have a look what the booklet for  
Hex(468732) contains.

<b>Hex(468732)</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(468732)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	468732
RGB	70, 135, 50
RGB Percent	27%, 53%, 20%
CMY	0.7255, 0.4706, 0.8039
CMYK	0.48, 0.00, 0.63, 0.47
HSL	106°, 46%, 36%
HSV	106°, 63%, 53%
XYZ	11.7655, 18.8603, 6.0379
YIQ	105.8750, -11.4550, -40.2150

# Conversions

## Conversions Part 2

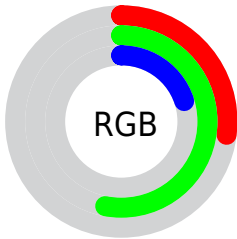
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 135, 115
Decimal	4622130
CIELab	50.52, -37.55, 38.43
CIELCh	51, 53.729, 134.338
Yxy	18.8603, 0.3209, 0.5144
Android (android.graphics.Color)	4282812210 (0xFF468732)
YUV	105.8750, -27.5464, -31.4624
Hunter-Lab	43.4285, -27.6413, 22.1568

# Details

The Hex color **468732** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **733287**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **7BBD64**, and **085400** is the 20% darker color. If you saturate the color by 10%, you get **3C8725**, and if you desaturate by 10%, it is **50873F**.

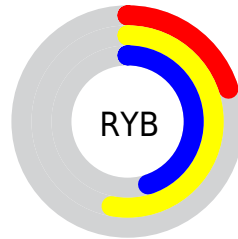
# Distribution



Red (27%)

Green (53%)

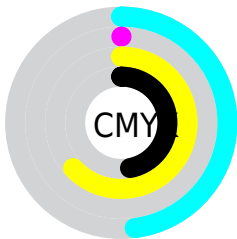
Blue (20%)



Red (20%)

Yellow (53%)

Blue (45%)

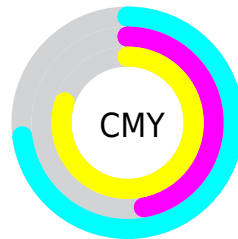


Cyan (48%)

Magenta (0%)

Yellow (63%)

Black (47%)



Cyan (73%)

Magenta (47%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 468732 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 468732 by changing the saturation by 10% instead.





468732



468732

FFFFFF



2B6D19



7BBD64



085400



97D97E



003C00



B3F698



002700



CFFFB3



000400



ECFFCF



000000



FFFEC



468732



468732



3C8725



50873F

■ 318717

■ 5B874D

■ 27870A

■ 65875B

■ 208700

■ 6F8768

■ 7A8776

■ 848783

■ 8E8791

■ 99879E

■ A387AC

# Harmonies

## Analogous

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



7B7D11



468732



008C5E

# Triad

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



468732



0084D0



CB4C64

# Complementary

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



468732



733287

# 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.



BF5092



468732



4676D1

# Square

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



468732



008CB7



9662BA



C05A3A

# Rectangle

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



468732



008E7E



9662BA



CA4B73



# Sweetspot

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



468732



96B08F



877232



4A5945



D9D9D9



595959



# Same Dimension

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



468732



4AB02A



328747



3D423C



1F8200



010300



# Inverse Universe

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



733287



902AB0



873272



413C42



630082



020003



# Previews

## White Background



This preview shows how the Hex color 468732 looks on a white background.

## Color Contrast Check

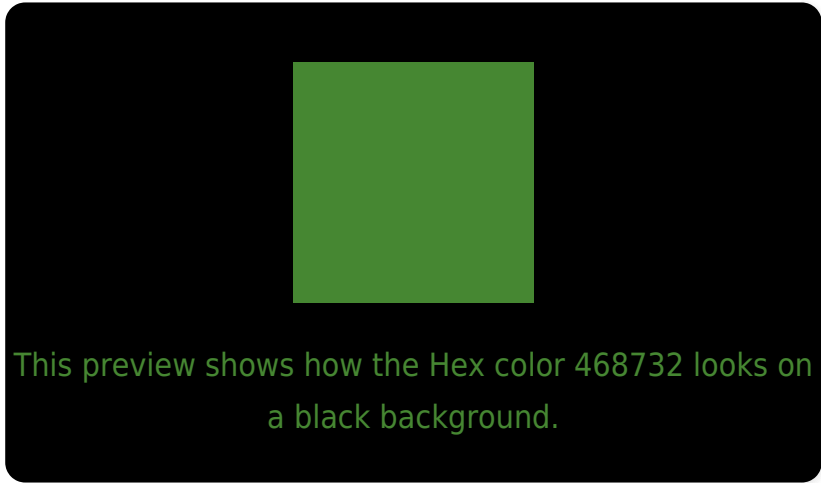
Large Text (above 18pt) WCAG AA ✓ Pass

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 468732 Background



This preview shows how black text looks on a background with the Hex color 468732.



This preview shows how white text looks on a background with the Hex color 468732.

# 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**  
468732

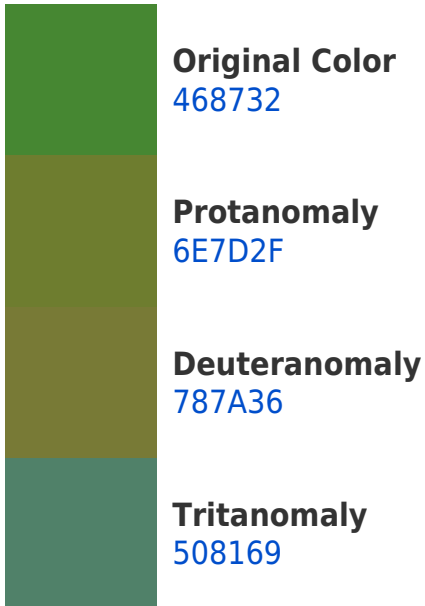
**Protanopia**  
85782E

**Deuteranopia**  
947238

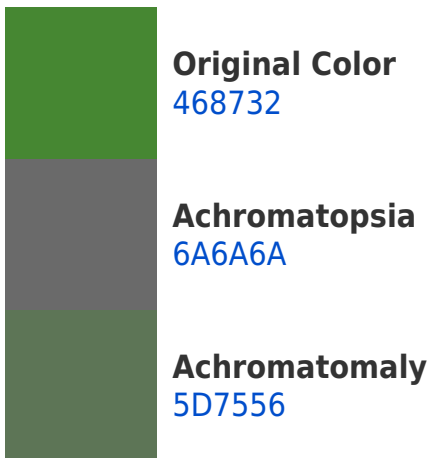


**Tritanopia**  
567E89

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 468732 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 #468732 looks like.

```
.text, #text, p{  
    color:#468732  
}
```

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 #468732 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #468732
}
```

## Border

The CSS property to change the border of an element to Hex 468732 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
#468732 }
```

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

```
.border{ border-color:#468732 }
```

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

Here you see how a box with a 4 pixel #468732 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #468732; -webkit-box-shadow:4px 4px  
4px 4px #468732; box-shadow:4px 4px 4px  
4px #468732 }
```

# Background

The CSS property to change the background color of an element to Hex 468732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#468732 }
```

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

```
.background{ background-color:#468732 }
```

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