

# Converting Colors

Hex(688509)

Have a look what the booklet for  
Hex(688509) contains.

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**Color**

**Hex(688509)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	688509
RGB	104, 133, 9
RGB Percent	41%, 52%, 4%
CMY	0.5922, 0.4784, 0.9647
CMYK	0.22, 0.00, 0.93, 0.48
HSL	74°, 87%, 28%
HSV	74°, 93%, 52%
XYZ	14.1458, 19.7378, 3.3227
YIQ	110.1930, 22.5200, -44.7120

# Conversions

## Conversions Part 2

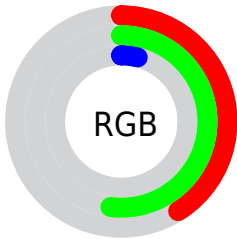
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	9, 133, 38
Decimal	6849801
CIE Lab	51.54, -26.15, 53.95
CIE LCh	52, 59.951, 115.858
Yxy	19.7378, 0.3802, 0.5305
Android (android.graphics.Color)	4285039881 (0xFF688509)
YUV	110.1930, -49.8881, -5.4313
Hunter-Lab	44.4273, -20.9129, 26.6649

# Details

The Hex color **688509** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **260985**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **9FBA46**, and **345300** is the 20% darker color. If you saturate the color by 10%, you get **668500**, and if you desaturate by 10%, it is **6B8516**.

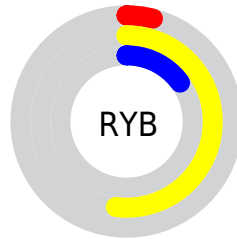
# Distribution



Red (41%)

Green (52%)

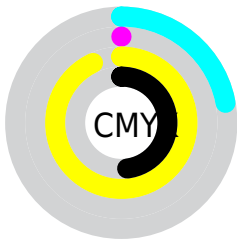
Blue (4%)



Red (4%)

Yellow (52%)

Blue (15%)

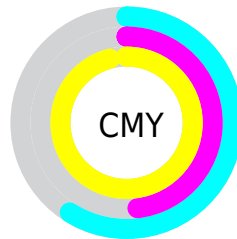


Cyan (22%)

Magenta (0%)

Yellow (93%)

Black (48%)



Cyan (59%)

Magenta (48%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 688509 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 688509 by changing the saturation by 10% instead.





688509



688509

FFFFFF



4E6C00



9FBA46



345300



BBD661



183C00



D7F27B



002600



F5FF97



000B00



FFFFB2



000000



FFFFCF



FFFFEB



688509



688509

■ 668500

■ 6B8516

■ 6E8524

■ 718531

■ 74853E

■ 78854C

■ 7B8559

■ 7E8566

■ 818573

■ 848581

# Harmonies

## Analogous

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



997600



688509



108E3D

# Triad

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



688509



008ECF



D24684

# Complementary

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



688509



260985

# 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.



B158B5



688509



0083E2

# Square

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



688509



0092A6



6B70D8



D44C51

# Rectangle

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



688509



009160



6B70D8



CA4A95



# Sweetspot

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



688509



A2AD7D



852609



505739



D6D6D6



575757



# Same Dimension

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



688509



85AD00



2A8509



41423C



648200



020300



# Inverse Universe

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



260985



2900AD



640985



3D3C42



1E0082



010003



# Previews

## White Background



This preview shows how the Hex color 688509 looks on a white background.

## Color Contrast Check

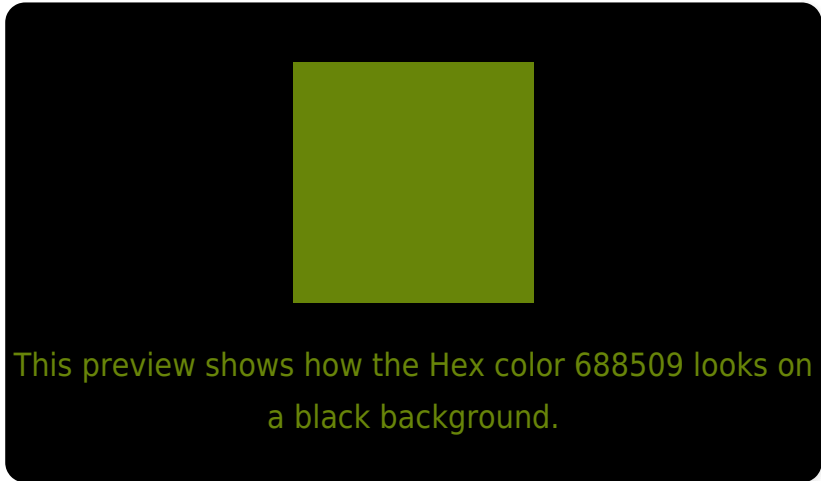
Large Text (above 18pt) WCAG AA ✓ Pass

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 688509 Background



This preview shows how black text looks on a background with the Hex color 688509.



This preview shows how white text looks on a background with the Hex color 688509.

# 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**  
688509

**Protanopia**  
8A7B00

**Deuteranopia**  
9A7419



**Tritanopia**  
737C85

# Trichromacy



**Original Color**  
688509

**Protanomaly**  
7E7F03

**Deuteranomaly**  
887A13

**Tritanomaly**  
6F7F58

# Monochromacy



**Original Color**  
688509

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
6C7649

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 688509 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 #688509 looks like.

```
.text, #text, p{  
    color:#688509  
}
```

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 #688509 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #688509
}
```

## Border

The CSS property to change the border of an element to Hex 688509 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
#688509 }
```

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

```
.border{ border-color:#688509 }
```

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

Here you see how a box with a 4 pixel #688509 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #688509; -webkit-box-shadow:4px 4px  
4px 4px #688509; box-shadow:4px 4px 4px  
4px #688509 }
```

# Background

The CSS property to change the background color of an element to Hex 688509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#688509 }
```

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

```
.background{ background-color:#688509 }
```

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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