

# Converting Colors

Hex(087708)

Have a look what the booklet for  
Hex(087708) contains.

<b>Hex(087708)</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(087708)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	087708
RGB	8, 119, 8
RGB Percent	3%, 47%, 3%
CMY	0.9686, 0.5333, 0.9686
CMYK	0.93, 0.00, 0.93, 0.53
HSL	120°, 87%, 25%
HSV	120°, 93%, 47%
XYZ	6.7408, 13.2628, 2.4344
YIQ	73.1570, -30.5250, -58.0530

# Conversions

## Conversions Part 2

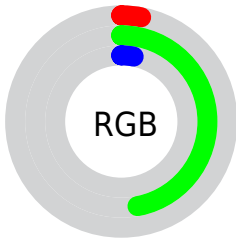
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 119, 119
Decimal	554760
CIELab	43.16, -48.02, 45.65
CIELCh	43, 66.258, 136.450
Yxy	13.2628, 0.3004, 0.5911
Android (android.graphics.Color)	4278744840 (0xFF087708)
YUV	73.1570, -32.1224, -57.1427
Hunter-Lab	36.4181, -30.6924, 21.5294

# Details

The Hex color **087708** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **770877**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **51AC41**, and **004500** is the 20% darker color. If you saturate the color by 10%, you get **007700**, and if you desaturate by 10%, it is **147714**.

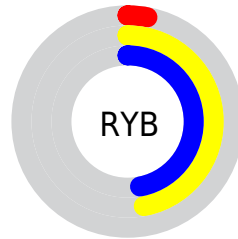
# Distribution



Red (3%)

Green (47%)

Blue (3%)



Red (3%)

Yellow (47%)

Blue (47%)

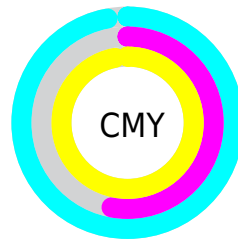


Cyan (93%)

Magenta (0%)

Yellow (93%)

Black (53%)



Cyan (97%)

Magenta (53%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 087708 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 087708 by changing the saturation by 10% instead.



 087708

 087708

FFFFFF

 005D00

 51AC41

 004500

 6DC85B

 002E00

 89E575

 001300

 A6FF90

 000000

 C3FFAB

 E0FFC7

 FEFFE4

 087708

 087708

■ 007700

■ 147714

■ 207720

■ 2C772C

■ 387738

■ 437743

■ 4F774F

■ 5B775B

■ 677767

■ 737773

# Harmonies

## Analogous

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



606D00



087708



007C4A

# Triad

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



087708



0074D2



C41F4B

# Complementary

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



087708



770877

# 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.



BA2481



087708



0062D1

# Square

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



087708



007CB5



8C46B2



B43F14

# Rectangle

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



087708



007D71



8C46B2



C41A5D



# Sweetspot

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



087708



709C70



777708



344F34



CFCFCF



4F4F4F



# Same Dimension

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



087708



009C00



087740



353B35



007A00



00FA00



# Inverse Universe

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



770877



9C009C



770840



3B353B



7A007A

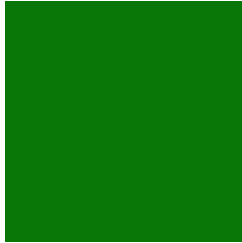


FA00FA



# Previews

## White Background



This preview shows how the Hex color 087708 looks on a white background.

## Color Contrast Check

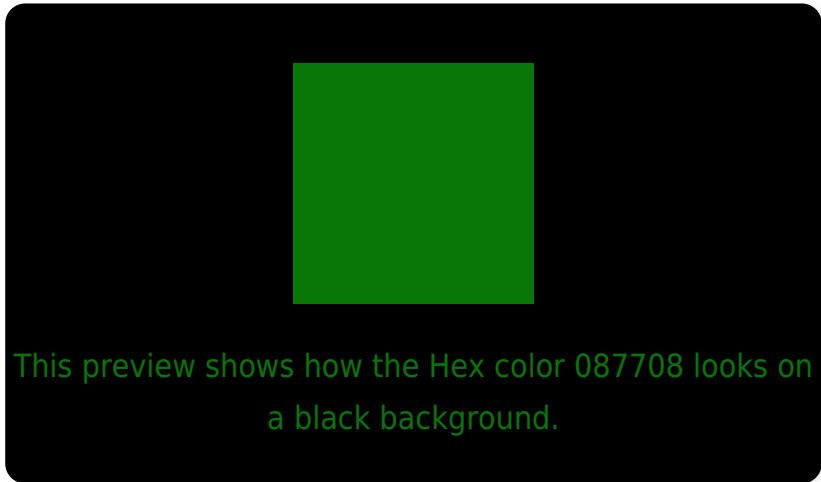
Large Text (above 18pt) WCAG AA ✓ Pass

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 087708 Background



This preview shows how black text looks on a background with the Hex color 087708.



This preview shows how white text looks on a background with the Hex color 087708.

# 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**  
087708

**Protanopia**  
736600

**Deuteranopia**  
80601B



**Tritanopia**  
326F78

# Trichromacy



**Original Color**  
087708



**Protanomaly**  
4C6C03



**Deuteranomaly**  
546814

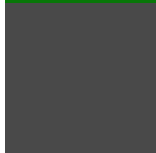


**Tritanomaly**  
23724F

# Monochromacy



**Original Color**  
087708



**Achromatopsia**  
494949



**Achromatomaly**  
315A31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 087708 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 #087708 looks like.

```
.text, #text, p{  
    color:#087708  
}
```

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 #087708 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #087708
}
```

## Border

The CSS property to change the border of an element to Hex 087708 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
#087708 }
```

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

```
.border{ border-color:#087708 }
```

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

Here you see how a box with a 4 pixel #087708 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #087708; -webkit-box-shadow:4px 4px  
4px 4px #087708; box-shadow:4px 4px 4px  
4px #087708 }
```

# Background

The CSS property to change the background color of an element to Hex 087708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#087708 }
```

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

```
.background{ background-color:#087708 }
```

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