

# Converting Colors

Hex(7F8C31)

Have a look what the booklet for  
Hex(7F8C31) contains.

<b>Hex(7F8C31)</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(7F8C31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F8C31
RGB	127, 140, 49
RGB Percent	50%, 55%, 19%
CMY	0.5020, 0.4510, 0.8078
CMYK	0.09, 0.00, 0.65, 0.45
HSL	69°, 48%, 37%
HSV	69°, 65%, 55%
XYZ	18.6849, 23.4899, 6.4549
YIQ	125.7390, 21.4630, -31.0570

# Conversions

## Conversions Part 2

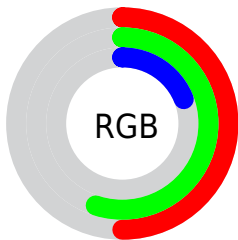
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 140, 62
Decimal	8358961
CIELab	55.57, -17.78, 45.42
CIELCh	56, 48.774, 111.377
Yxy	23.4899, 0.3842, 0.4830
Android (android.graphics.Color)	4286549041 (0xFF7F8C31)
YUV	125.7390, -37.8323, 1.1059
Hunter-Lab	48.4664, -16.0006, 26.0300

# Details

The Hex color **7F8C31** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3E318C**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **B6C164**, and **4B5A00** is the 20% darker color. If you saturate the color by 10%, you get **7D8C23**, and if you desaturate by 10%, it is **818C3F**.

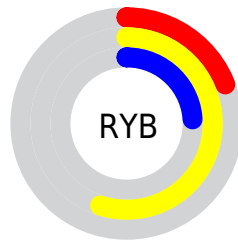
# Distribution



Red (50%)

Green (55%)

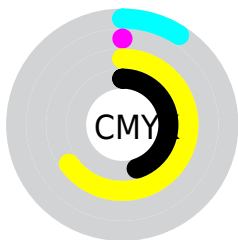
Blue (19%)



Red (19%)

Yellow (55%)

Blue (24%)

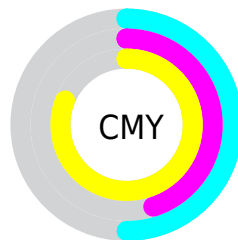


Cyan (9%)

Magenta (0%)

Yellow (65%)

Black (45%)



Cyan (50%)

Magenta (45%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F8C31 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 7F8C31 by changing the saturation by 10% instead.



 7F8C31

 7F8C31

FFFFFF

 657316

 B6C164

 4B5A00

 D2DD7E

 334300

 EFFA99

 192C00

 FFFFB4

 001A00

 FFFF00

 000000

 FFFFED

 7F8C31

 7F8C31

 7D8C23

 818C3F

■ 7B8C15

■ 838C4D

■ 798C07

■ 858C5B

■ 788C00

■ 878C69

■ 898C77

■ 8B8C85

■ 8D8C93

■ 8F8CA1

■ 918CAF

# Harmonies

## Analogous

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



A77F2D



7F8C31



4C954E

# Triad

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



7F8C31



0096C6



CC6193

# Complementary

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



7F8C31



3E318C

# 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.



AD6DBA



7F8C31



008DD9

# Square

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



7F8C31



009AA3



727FD4



D36169

# Rectangle

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



7F8C31



009869



727FD4



C564A1



# Sweetspot

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



7F8C31



B0B591



8C3D31



595C46



DBDBDB



5C5C5C



# Same Dimension

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



7F8C31



A1B528



528C31



44453E



728500



040500



# Inverse Universe

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



3E318C



3C28B5



6B318C



3F3E45



130085



010005



# Previews

## White Background



This preview shows how the Hex color 7F8C31 looks on a white background.

## Color Contrast Check

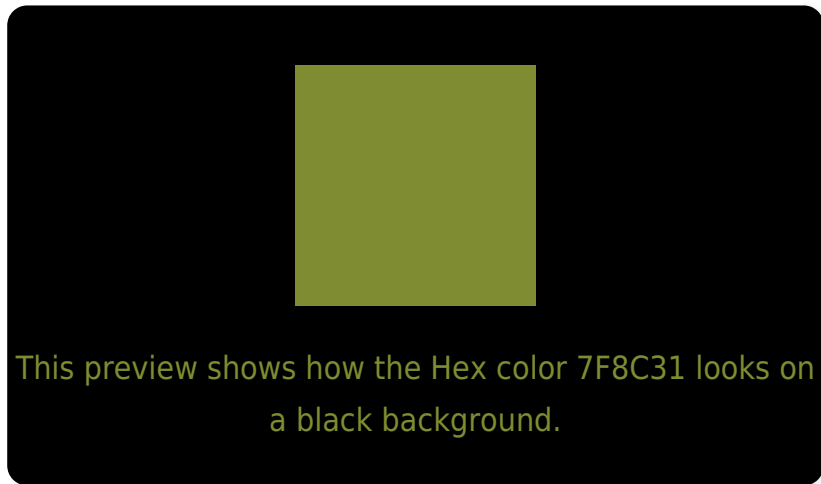
Large Text (above 18pt) WCAG AA ✓ Pass

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 7F8C31 Background



This preview shows how black text looks on a background with the Hex color 7F8C31.



This preview shows how white text looks on a background with the Hex color 7F8C31.

# 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**  
7F8C31

**Protanopia**  
95852F

**Deuteranopia**  
A57E35



**Tritanopia**  
88838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F8C31 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 #7F8C31 looks like.

```
.text, #text, p{  
    color:#7F8C31  
}
```

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 #7F8C31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F8C31
}
```

## Border

The CSS property to change the border of an element to Hex 7F8C31 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
#7F8C31 }
```

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

```
.border{ border-color:#7F8C31 }
```

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

Here you see how a box with a 4 pixel #7F8C31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F8C31; -webkit-box-shadow:4px 4px  
4px 4px #7F8C31; box-shadow:4px 4px 4px  
4px #7F8C31 }
```

# Background

The CSS property to change the background color of an element to Hex 7F8C31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F8C31 }
```

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

```
.background{ background-color:#7F8C31 }
```

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