

# Converting Colors

Hex(707800)

Have a look what the booklet for  
Hex(707800) contains.

<b>Hex(707800)</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(707800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	707800
RGB	112, 120, 0
RGB Percent	44%, 47%, 0%
CMY	0.5608, 0.5294, 1.0000
CMYK	0.07, 0.00, 1.00, 0.53
HSL	64°, 100%, 24%
HSV	64°, 100%, 47%
XYZ	13.3986, 16.8777, 2.5515
YIQ	103.9280, 33.7520, -39.0160

# Conversions

## Conversions Part 2

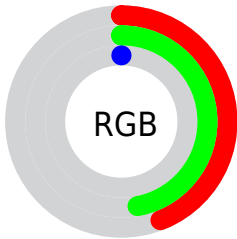
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 8
Decimal	7370752
CIELab	48.11, -16.10, 53.29
CIELCh	48, 55.672, 106.805
Yxy	16.8777, 0.4081, 0.5141
Android (android.graphics.Color)	4285560832 (0xFF707800)
YUV	103.9280, -51.2365, 7.0791
Hunter-Lab	41.0825, -13.6786, 25.0754

# Details

The Hex color **707800** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **080078**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **A7AC40**, and **3C4800** is the 20% darker color. If you saturate the color by 10%, you get **707800**, and if you desaturate by 10%, it is **71780C**.

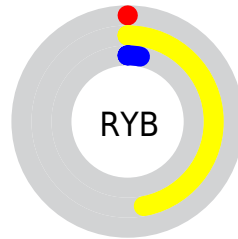
# Distribution



Red (44%)

Green (47%)

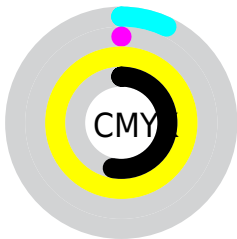
Blue (0%)



Red (0%)

Yellow (47%)

Blue (3%)

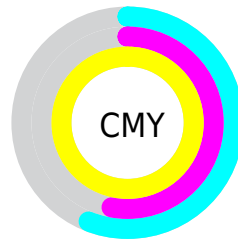


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 707800 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 707800 by changing the saturation by 10% instead.



 707800

 707800

FFFFFF

 555F00

 A7AC40

 3C4800

 C3C75A

 223100

 E0E374

 041D00

 FEFF8F

 000000

 FFFFAB

 FFFFC7

 FFFF E4

 707800

 71780C

 727818

 727824

 737830

 74783C

 757848

 767854

 767860

 77786C

# Harmonies

## Analogous

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



9A6805



707800



37822D

# Triad

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



707800



0086B6



BC4689

# Complementary

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



707800



080078

# 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.



9559B3



707800



007ECE

# Square

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



707800



00888C



446ECD



C6445A

# Rectangle

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



707800



00854B



446ECD



B34B98



# Sweetspot

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



707800



989C6D



780800



4D4F33



CFCFCF



4F4F4F



# Same Dimension

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



707800



919C00



347800



3D3D37



757D00



ECFC00



# Inverse Universe

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



080078



0A009C



440078



37373D



08007D



1100FC



# Previews

## White Background



This preview shows how the Hex color 707800 looks on a white background.

## Color Contrast Check

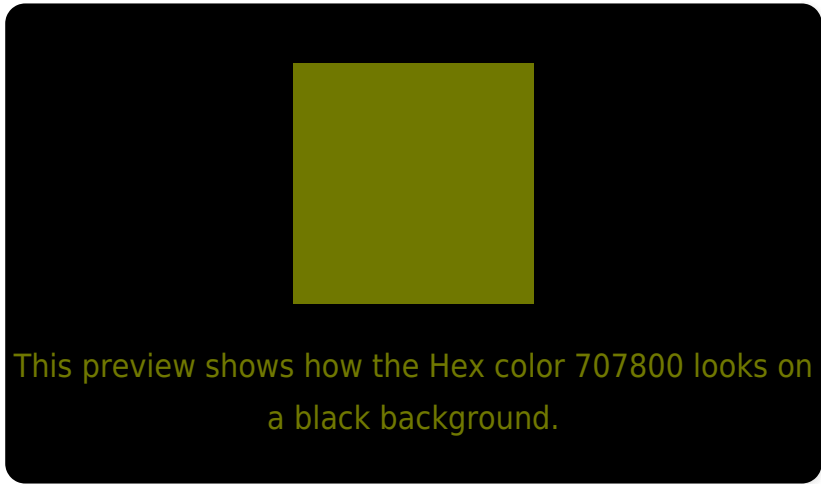
Large Text (above 18pt) WCAG AA ✓ Pass

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 707800 Background



This preview shows how black text looks on a background with the Hex color 707800.



This preview shows how white text looks on a background with the Hex color 707800.

# 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**  
707800

**Protanopia**  
817300

**Deuteranopia**  
906C13



**Tritanopia**  
797078

# Trichromacy



**Original Color**  
707800

**Protanomaly**  
7B7500

**Deuteranomaly**  
84700C

**Tritanomaly**  
76734C

# Monochromacy



**Original Color**  
707800

**Achromatopsia**  
686868

**Achromatomaly**  
6B6E42

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 707800 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 #707800 looks like.

```
.text, #text, p{  
    color:#707800  
}
```

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 #707800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #707800
}
```

## Border

The CSS property to change the border of an element to Hex 707800 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
#707800 }
```

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

```
.border{ border-color:#707800 }
```

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

Here you see how a box with a 4 pixel #707800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #707800; -webkit-box-shadow:4px 4px  
4px 4px #707800; box-shadow:4px 4px 4px  
4px #707800 }
```

# Background

The CSS property to change the background color of an element to Hex 707800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#707800 }
```

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

```
.background{ background-color:#707800 }
```

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