

# Converting Colors

Hex(7F4470)

Have a look what the booklet for  
Hex(7F4470) contains.

<b>Hex(7F4470)</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(7F4470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F4470
RGB	127, 68, 112
RGB Percent	50%, 27%, 44%
CMY	0.5020, 0.7333, 0.5608
CMYK	0.00, 0.46, 0.12, 0.50
HSL	315°, 30%, 38%
HSV	315°, 46%, 50%
XYZ	13.7441, 9.8161, 16.4995
YIQ	90.6570, 21.0400, 26.1920

# Conversions

## Conversions Part 2

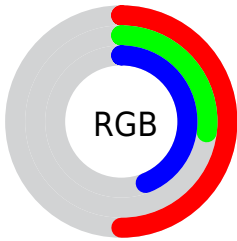
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 68, 112
Decimal	8340592
CIE <sub>Lab</sub>	37.51, 31.79, -14.37
CIE <sub>LCh</sub>	38, 34.888, 335.680
Yxy	9.8161, 0.3431, 0.2450
Android (android.graphics.Color)	4286530672 (0xFF7F4470)
YUV	90.6570, 10.5221, 31.8728
Hunter-Lab	31.3307, 23.4757, -9.2921

# Details

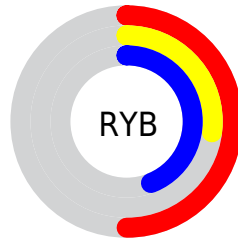
The Hex color **7F4470** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **447F53**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **B576A4**, and **4C1440** is the 20% darker color. If you saturate the color by 10%, you get **7F376D**, and if you desaturate by 10%, it is **7F5173**.

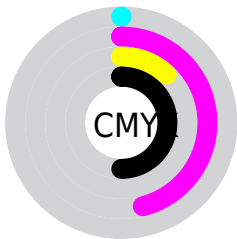
# Distribution



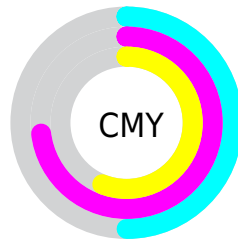
- Red (50%)
- Green (27%)
- Blue (44%)



- Red (50%)
- Yellow (27%)
- Blue (44%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (50%)



- Cyan (50%)
- Magenta (73%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F4470 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 7F4470 by changing the saturation by 10% instead.



7F4470

7F4470

FFFFFF

652C58

B576A4

4C1440

D190BF

34002A

EEABDB

1E0015

FFC7F7

000000

FFE3FF

7F4470

7F4470

7F376D

7F5173

7F2B6A

7F5D76

 7F1E66

 7F6A7A

 7F1163

 7F777D

 7F0460

 7F8480

 7F005F

 7F9083

 7F9D87

 7FAA8A

 7FB68D

# Harmonies

## Analogous

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



614F86



7F4470



8C3F54

# Triad

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



7F4470



63591D



006578

# Complementary

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



7F4470



447F53

# 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.



00665D



7F4470



466028

# Square

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



7F4470



7B4E24



1B6540



00618B

# Rectangle

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



7F4470



8C4241



1B6540



006670



# Sweetspot

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



7F4470



A68FA0



53447F



544651



D4D4D4



545454



# Same Dimension

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



7F4470



A6498E



7F4453



40393E



80005F



000000



# Inverse Universe

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



7F4470



A6498E



447F70



40393E



80005F

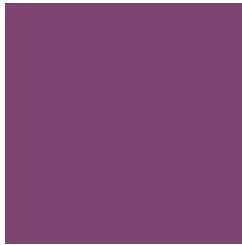


000000



# Previews

## White Background



This preview shows how the Hex color 7F4470 looks on a white background.

## Color Contrast Check

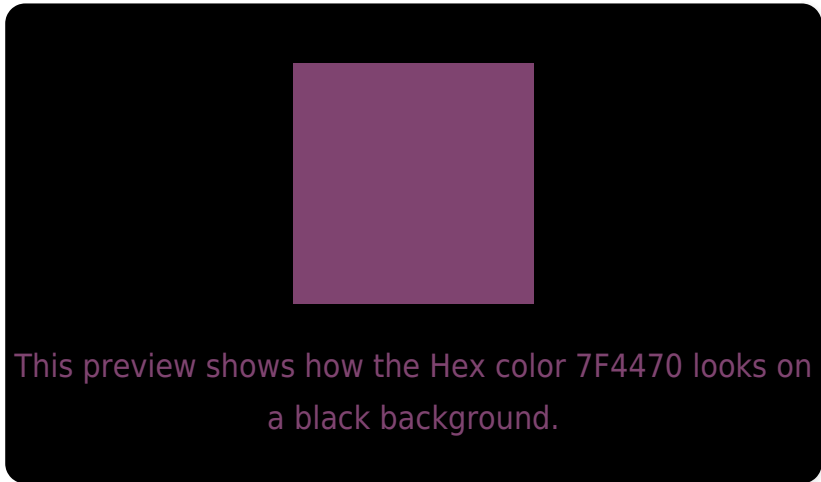
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

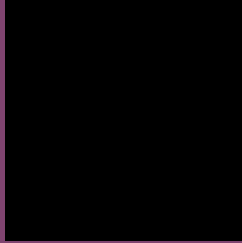
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7F4470 Background



This preview shows how black text looks on a background with the Hex color 7F4470.

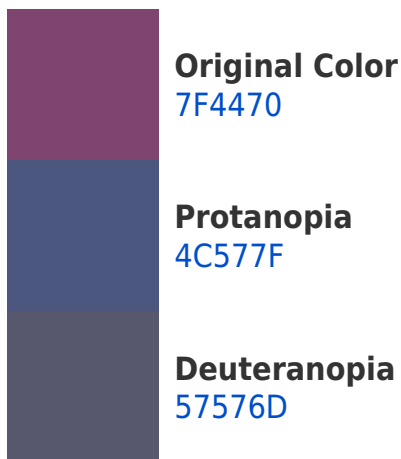


This preview shows how white text looks on a background with the Hex color 7F4470.

# 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





**Tritanopia**  
7B4B50

# Trichromacy



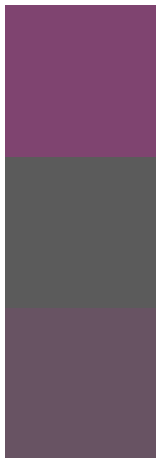
**Original Color**  
7F4470

**Protanomaly**  
5F507A

**Deuteranomaly**  
66506E

**Tritanomaly**  
7C485C

# Monochromacy



**Original Color**  
7F4470

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
685363

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F4470 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 #7F4470 looks like.

```
.text, #text, p{  
    color:#7F4470  
}
```

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 #7F4470 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F4470
}
```

## Border

The CSS property to change the border of an element to Hex 7F4470 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
#7F4470 }
```

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

```
.border{ border-color:#7F4470 }
```

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

Here you see how a box with a 4 pixel #7F4470 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F4470; -webkit-box-shadow:4px 4px  
4px 4px #7F4470; box-shadow:4px 4px 4px  
4px #7F4470 }
```

# Background

The CSS property to change the background color of an element to Hex 7F4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F4470 }
```

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

```
.background{ background-color:#7F4470 }
```

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