

# Converting Colors

Hex(470F78)

Have a look what the booklet for  
Hex(470F78) contains.

<b>Hex(470F78)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	28

# Color

**Hex(470F78)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	470F78
RGB	71, 15, 120
RGB Percent	28%, 6%, 47%
CMY	0.7216, 0.9412, 0.5294
CMYK	0.41, 0.88, 0.00, 0.53
HSL	272°, 78%, 26%
HSV	272°, 88%, 47%
XYZ	6.1595, 3.0373, 18.0309
YIQ	43.7140, -0.3290, 44.5270

# Conversions

## Conversions Part 2

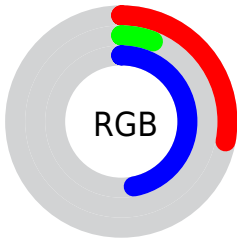
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 15, 120
Decimal	4657016
CIE <sub>Lab</sub>	20.19, 44.83, -47.43
CIE <sub>LCh</sub>	20, 65.263, 313.389
Yxy	3.0373, 0.2262, 0.1116
Android (android.graphics.Color)	4282847096 (0xFF470F78)
YUV	43.7140, 37.6090, 23.9298
Hunter-Lab	17.4279, 32.5884, -49.1421




# Details

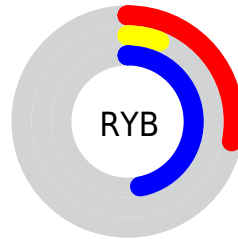
The Hex color **470F78** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40780F**, and the grayscale version is **2B2B2B**.




A 20% lighter version of the original color is **7D43AD**, and **150047** is the 20% darker color. If you saturate the color by 10%, you get **410378**, and if you desaturate by 10%, it is **4D1B78**.

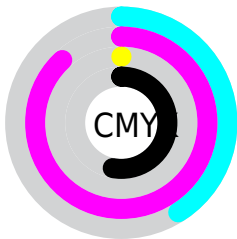
# Distribution







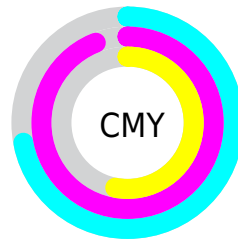
-  Red (28%)
-  Green (6%)
-  Blue (47%)






-  Red (28%)
-  Yellow (6%)
-  Blue (47%)



-  Cyan (41%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (72%)
-  Magenta (94%)
-  Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 470F78 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 470F78 by changing the saturation by 10% instead.



470F78

470F78

FFFFFF

2C005F

7D43AD

150047

985CC9

00022F

B476E5

000119

D190FF

000000

EEABFF

FFC7FF

FFE4FF

470F78

470F78

■ 410378

■ 4D1B78

■ 400078

■ 522778

■ 583378

■ 5D3F78

■ 634B78

■ 695778

■ 6E6378

■ 746F78

■ 797B78

# Harmonies

## Analogous

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



003291



470F78



74004D

# Triad

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



470F78



522400



004246

# Complementary

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



470F78



40780F

# 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.



004012



470F78



293600

# Square

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



470F78



700000



003D00



004273

# Rectangle

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



470F78



7D002E



003D00



004135



# Sweetspot

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



470F78



89739C



0F4078



44374F



CFCFCF



4F4F4F



# Same Dimension

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



470F78



53009C



780F75



3A373D



43007D



8700FC



# Inverse Universe

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



780F40



9C0049



0F7812



3D373A



7D003A

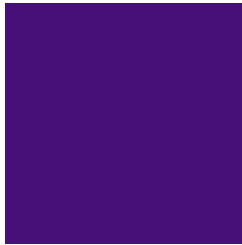


FC0076



# Previews

## White Background



This preview shows how the Hex color 470F78 looks on a white background.

## Color Contrast Check

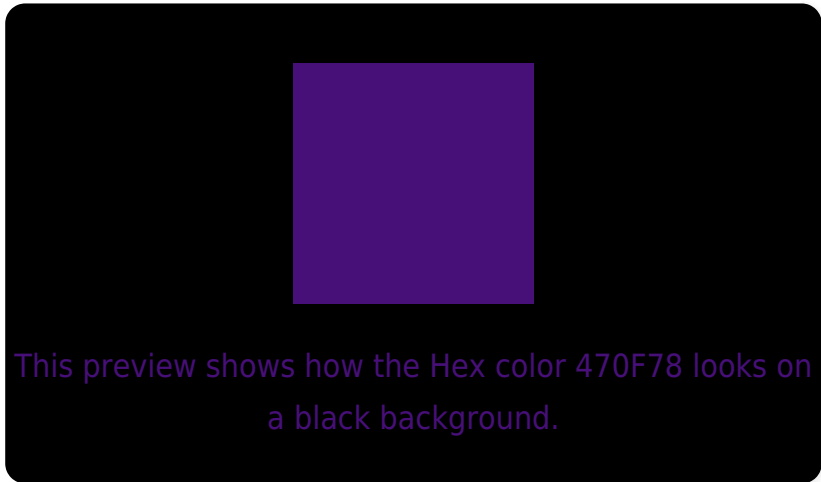
Large Text (above 18pt) WCAG AA ✓ Pass

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

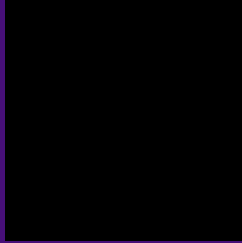
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 470F78 Background



This preview shows how black text looks on a background with the Hex color 470F78.

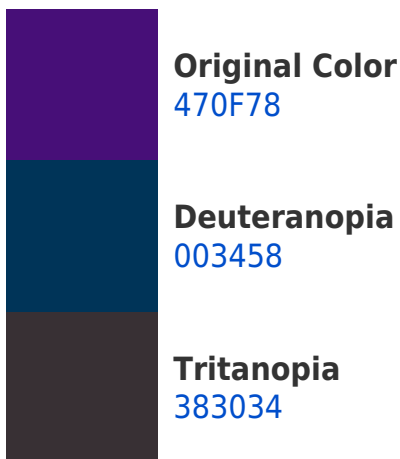


This preview shows how white text looks on a background with the Hex color 470F78.

# 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



# Trichromacy

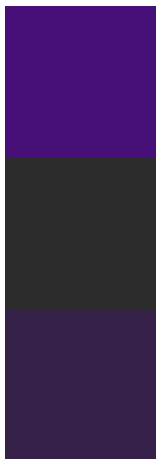


**Original Color**  
470F78

**Deuteranomaly**  
1A2764

**Tritanomaly**  
3D244D

# Monochromacy



**Original Color**  
470F78

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
362148

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 470F78 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 #470F78 looks like.

```
.text, #text, p{  
    color:#470F78  
}
```

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 #470F78 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #470F78  
}
```

## Border

The CSS property to change the border of an element to Hex 470F78 is called "border". The border property can be set on classes, ids or directly on the HTML element.

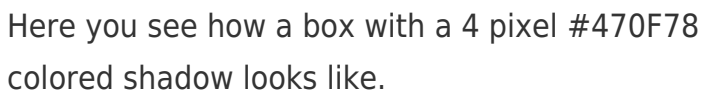
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#470F78 }
```

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

```
.border{ border-color:#470F78 }
```

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



Here you see how a box with a 4 pixel #470F78 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #470F78; -webkit-box-shadow:4px 4px  
4px 4px #470F78; box-shadow:4px 4px 4px  
4px #470F78 }
```

# Background

The CSS property to change the background color of an element to Hex 470F78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#470F78 }
```

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

```
.background{ background-color:#470F78 }
```

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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