

# Converting Colors

Hex(470566)

Have a look what the booklet for  
Hex(470566) contains.

<b>Hex(470566)</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(470566)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	470566
RGB	71, 5, 102
RGB Percent	28%, 2%, 40%
CMY	0.7216, 0.9804, 0.6000
CMYK	0.30, 0.95, 0.00, 0.60
HSL	281°, 91%, 21%
HSV	281°, 95%, 40%
XYZ	5.0511, 2.4074, 12.7688
YIQ	35.7920, 8.1990, 44.1590

# Conversions

## Conversions Part 2

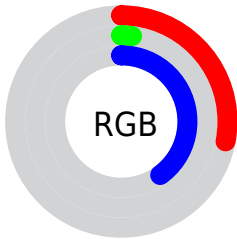
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>71, 5, 102</b>
Decimal	4654438
CIE <sub>Lab</sub>	17.49, 43.61, -40.15
CIE <sub>LCh</sub>	17, 59.274, 317.368
Yxy	2.4074, 0.2497, 0.1190
Android (android.graphics.Color)	4282844518 (0xFF470566)
YUV	35.7920, 32.6405, 30.8774
Hunter-Lab	15.5159, 30.9562, -37.9315

# Details

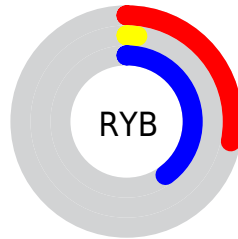
The Hex color **470566** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **246605**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **7B3C9A**, and **170036** is the 20% darker color. If you saturate the color by 10%, you get **450066**, and if you desaturate by 10%, it is **4A0F66**.

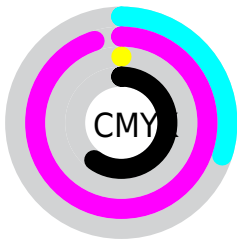
# Distribution



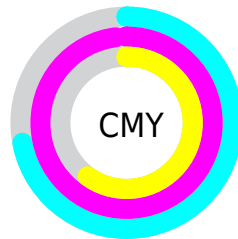
- Red (28%)
- Green (2%)
- Blue (40%)



- Red (28%)
- Yellow (2%)
- Blue (40%)



- Cyan (30%)
- Magenta (95%)
- Yellow (0%)
- Black (60%)



- Cyan (72%)
- Magenta (98%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 470566 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 470566 by changing the saturation by 10% instead.



 470566

 470566

 FFF9FF

 2D004D

 7B3C9A

 170036

 9755B5

 000220

 B26FD1

 000003

 CF89ED

 000000

 ECA4FF

 FFC0FF

 FFDCCF

 470566

 470566

■ 450066

■ 4A0F66

■ 4E1966

■ 512466

■ 542E66

■ 573866

■ 5B4266

■ 5E4C66

■ 615766

■ 646166

# Harmonies

## Analogous

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



00297F



470566



6A003F

# Triad

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



470566



452300



003B44

# Complementary

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



470566



246605

# 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.



003916



470566



1E3100

# Square

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



470566



600000



003700



003A6A

# Rectangle

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



470566



700023



003700



003A35



# Sweetspot

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



470566



785E85



052566



3B2B42



C2C2C2



424242



# Same Dimension

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



470566



5A0085



660556



312E33



4E0073



A500F2



# Inverse Universe

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



660524



85002A



056615



332E30



730025

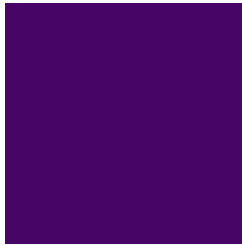


F2004D



# Previews

## White Background



This preview shows how the Hex color 470566 looks on a white background.

## Color Contrast Check

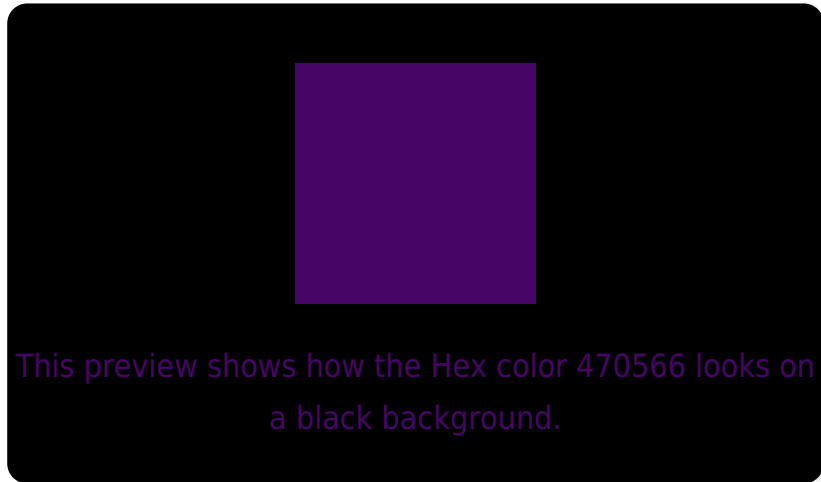
Large Text (above 18pt) WCAG AA ✓ Pass

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

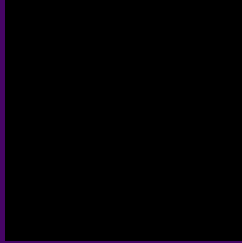
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 470566 Background



This preview shows how black text looks on a background with the Hex color 470566.



This preview shows how white text looks on a background with the Hex color 470566.

# 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](#).

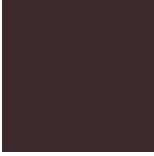
## Dichromacy



**Original Color**  
470566

**Protanopia**  
002C5D

**Deuteranopia**  
002F51



**Tritanopia**  
3D282B

# Trichromacy



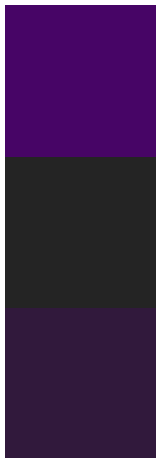
**Original Color**  
470566

**Protanomaly**  
1A1E60

**Deuteranomaly**  
1A2059

**Tritanomaly**  
411B40

# Monochromacy



**Original Color**  
470566

**Achromatopsia**  
242424

**Achromatomaly**  
31193C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 470566 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 #470566 looks like.

```
.text, #text, p{  
    color:#470566  
}
```

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 #470566 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #470566
}
```

## Border

The CSS property to change the border of an element to Hex 470566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

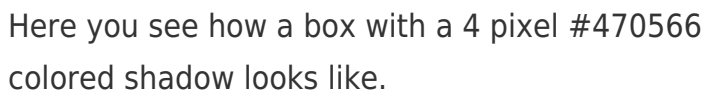
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#470566 }
```

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

```
.border{ border-color:#470566 }
```

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



Here you see how a box with a 4 pixel #470566 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #470566; -webkit-box-shadow:4px 4px  
4px 4px #470566; box-shadow:4px 4px 4px  
4px #470566 }
```

# Background

The CSS property to change the background color of an element to Hex 470566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#470566 }
```

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

```
.background{ background-color:#470566 }
```

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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