

Converting Colors

Hex(412C76)

Have a look what the booklet for
Hex(412C76) contains.

Hex(412C76)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(412C76)

Conversions

Conversions Part 1

Format	Color
Hex	412C76
RGB	65, 44, 118
RGB Percent	25%, 17%, 46%
CMY	0.7451, 0.8275, 0.5373
CMYK	0.45, 0.63, 0.00, 0.54
HSL	257°, 46%, 32%
HSV	257°, 63%, 46%
XYZ	6.3507, 4.2332, 17.6219
YIQ	58.7150, -11.2380, 27.4660

Conversions

Conversions Part 2

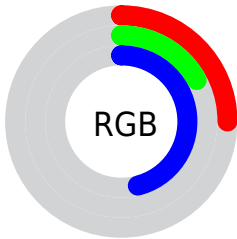
Format	Color
RYB	65, 44, 118
Decimal	4271222
CIELab	24.43, 28.63, -39.29
CIELCh	24, 48.616, 306.084
Yxy	4.2332, 0.2252, 0.1501
Android (android.graphics.Color)	4282461302 (0xFF412C76)
YUV	58.7150, 29.2275, 5.5119
Hunter-Lab	20.5747, 19.0908, -36.3786

Details

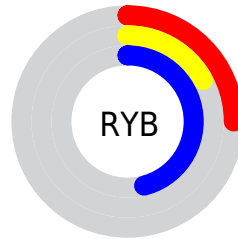
The Hex color **412C76** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **61762C**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **755BAB**, and **0C0045** is the 20% darker color. If you saturate the color by 10%, you get **392076**, and if you desaturate by 10%, it is **493876**.

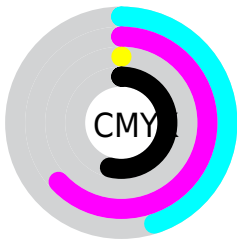
Distribution



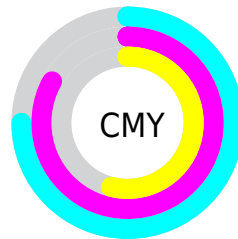
- Red (25%)
- Green (17%)
- Blue (46%)



- Red (25%)
- Yellow (17%)
- Blue (46%)



- Cyan (45%)
- Magenta (63%)
- Yellow (0%)
- Black (54%)



- Cyan (75%)
- Magenta (83%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 412C76 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 412C76 by changing the saturation by 10% instead.

■ 412C76

■ 412C76

FFFFFF

■ 27165D

■ 755BAB

■ 0C0045

■ 9074C6

■ 00002E

■ AB8DE3

■ 000118

■ C7A8FF

■ 000000

■ E4C3FF

■ FFDFFF

■ FFFCFF

■ 412C76

■ 412C76

■ 392076

■ 493876

■ 301476

■ 524476

■ 280976

■ 5A4F76

■ 210076

■ 635B76

■ 6B6776

■ 747376

■ 7C7F76

■ 858A76

■ 8D9676

Harmonies

Analogous

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



003D84



412C76



6A1358

Triad

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



412C76



5F2C00



004941

Complementary

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



412C76



61762C

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.



00481A



412C76



423B00

Square

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



412C76



731611



1A4300



004965

Rectangle

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



412C76



760141



1A4300



004934

Sweetspot

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



412C76



847C99



2C6176



403B4D



CCCCCC



4D4D4D

Same Dimension

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



412C76



472699



662C76



36353B



23007A



4700FA

Inverse Universe

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



762C61



992678



3C762C



3B3539



7A0058



FA00B3

Previews

White Background



This preview shows how the Hex color 412C76 looks on a white background.

Color Contrast Check

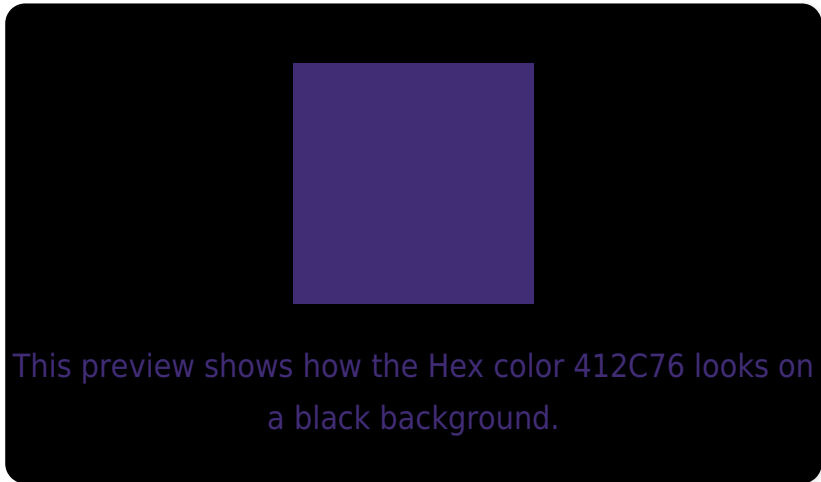
Large Text (above 18pt) WCAG AA ✓ Pass

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

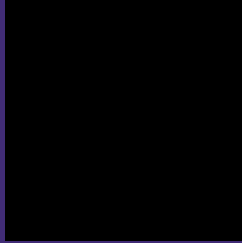
Any Text WCAG AA × Fail

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 412C76 Background



This preview shows how black text looks on a background with the Hex color 412C76.



This preview shows how white text looks on a background with the Hex color 412C76.

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
412C76

Protanopia
003877

Deuteranopia
003C68



Tritanopia
333C40

Trichromacy



Original Color
412C76

Protanomaly
183477

Deuteranomaly
18366D

Tritanomaly
383654

Monochromacy



Original Color
412C76

Achromatopsia
3B3B3B

Achromatomaly
3D3650

CSS Examples

Text

The CSS property to change the color of the text to Hex 412C76 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 #412C76 looks like.

```
.text, #text, p{  
    color:#412C76  
}
```

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 #412C76 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #412C76
}
```

Border

The CSS property to change the border of an element to Hex 412C76 is called "border". The border property can be set on classes, ids or directly on the HTML element.

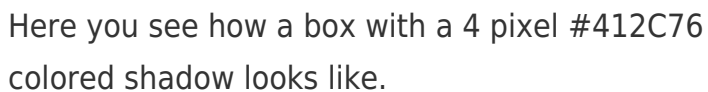
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#412C76 }
```

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

```
.border{ border-color:#412C76 }
```

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



Here you see how a box with a 4 pixel #412C76 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #412C76; -webkit-box-shadow:4px 4px  
4px 4px #412C76; box-shadow:4px 4px 4px  
4px #412C76 }
```

Background

The CSS property to change the background color of an element to Hex 412C76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#412C76 }
```

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

```
.background{ background-color:#412C76 }
```

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