

# Converting Colors

Hex(420B65)

Have a look what the booklet for  
Hex(420B65) contains.

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# Color

**Hex(420B65)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	420B65
RGB	66, 11, 101
RGB Percent	26%, 4%, 40%
CMY	0.7412, 0.9569, 0.6039
CMYK	0.35, 0.89, 0.00, 0.60
HSL	277°, 80%, 22%
HSV	277°, 89%, 40%
XYZ	4.7154, 2.3372, 12.5145
YIQ	37.7050, 3.8900, 39.6500

# Conversions

## Conversions Part 2

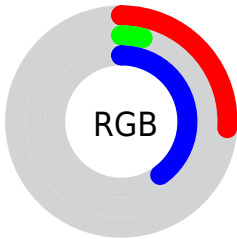
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 11, 101
Decimal	4328293
CIELab	17.17, 40.77, -40.06
CIELCh	17, 57.155, 315.503
Yxy	2.3372, 0.2410, 0.1194
Android (android.graphics.Color)	4282518373 (0xFF420B65)
YUV	37.7050, 31.2044, 24.8147
Hunter-Lab	15.2878, 28.3031, -37.8329

# Details

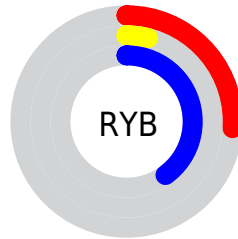
The Hex color **420B65** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **2E650B**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **763E99**, and **110035** is the 20% darker color. If you saturate the color by 10%, you get **3E0165**, and if you desaturate by 10%, it is **461565**.

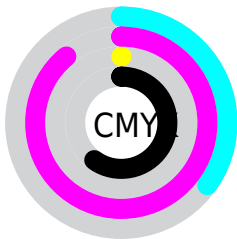
# Distribution



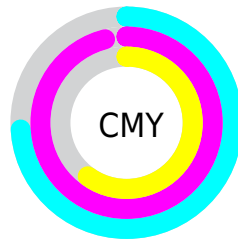
- Red (26%)
- Green (4%)
- Blue (40%)



- Red (26%)
- Yellow (4%)
- Blue (40%)



- Cyan (35%)
- Magenta (89%)
- Yellow (0%)
- Black (60%)



- Cyan (74%)
- Magenta (96%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 420B65 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 420B65 by changing the saturation by 10% instead.



 420B65

 420B65


 FFFAFF

 28004C

 763E99

 110035

 9157B4

 00021F

 AD71D0

 000002

 C98BEC

 000000

 E6A6FF

 FFC1FF

 FFDEFF

 420B65

 420B65

■ 3E0165

■ 461565

■ 3E0065

■ 4A1F65

■ 4E2965

■ 523365

■ 563E65

■ 5A4865

■ 5D5265

■ 615C65

■ 656665

# Harmonies

## Analogous

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



00297C



420B65



650040

# Triad

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



420B65



452100



00393F

# Complementary

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



420B65



2E650B

# 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.



003814



420B65



212F00

# Square

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



420B65



5F0000



003500



003965

# Rectangle

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



420B65



6C0025



003500



003931



# Sweetspot

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



420B65



745F82



0B2F65



3A2D42



C2C2C2



424242



# Same Dimension

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



420B65



4F0082



650B5C



312E33



460073



9400F2



# Inverse Universe

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



650B2E



820033



0B6514



332E30



73002D

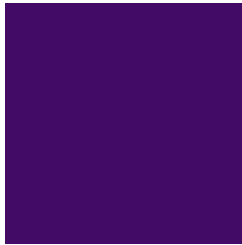


F2005E



# Previews

## White Background



This preview shows how the Hex color 420B65 looks on a white background.

## Color Contrast Check

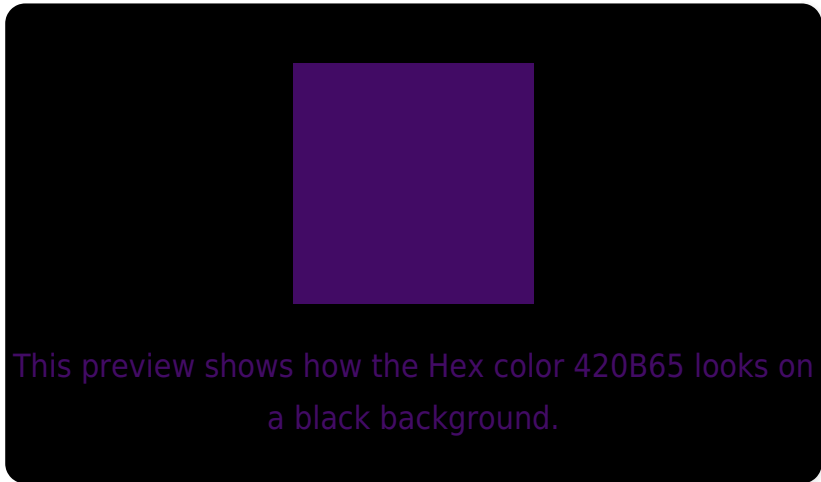
Large Text (above 18pt) WCAG AA ✓ Pass

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

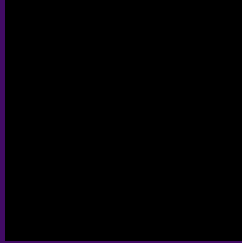
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 420B65 Background



This preview shows how black text looks on a background with the Hex color 420B65.



This preview shows how white text looks on a background with the Hex color 420B65.

# 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**  
420B65

**Protanopia**  
002B5A

**Deuteranopia**  
002E4E



**Tritanopia**  
37282B

# Trichromacy



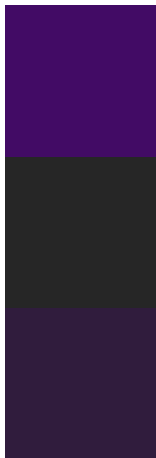
**Original Color**  
420B65

**Protanomaly**  
181F5E

**Deuteranomaly**  
182156

**Tritanomaly**  
3B1D40

# Monochromacy



**Original Color**  
420B65

**Achromatopsia**  
262626

**Achromatomaly**  
301C3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 420B65 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 #420B65 looks like.

```
.text, #text, p{  
    color:#420B65  
}
```

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 #420B65 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #420B65
}
```

## Border

The CSS property to change the border of an element to Hex 420B65 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".

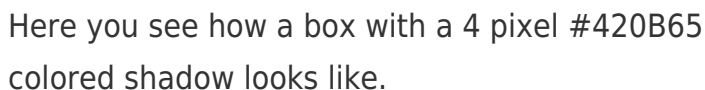
```
.border, #border, table{ border:4px solid
#420B65 }
```

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

```
.border{ border-color:#420B65 }
```

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

Here you see how a box with a 4 pixel #420B65 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #420B65; -webkit-box-shadow:4px 4px  
4px 4px #420B65; box-shadow:4px 4px 4px  
4px #420B65 }
```

# Background

The CSS property to change the background color of an element to Hex 420B65 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#420B65 }
```

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

```
.background{ background-color:#420B65 }
```

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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