

# Converting Colors

Hex(46016E)

Have a look what the booklet for  
Hex(46016E) contains.

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# Color

**Hex(46016E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46016E
RGB	70, 1, 110
RGB Percent	27%, 0%, 43%
CMY	0.7255, 0.9961, 0.5686
CMYK	0.36, 0.99, 0.00, 0.57
HSL	278°, 98%, 22%
HSV	278°, 99%, 43%
XYZ	5.3511, 2.4496, 14.9426
YIQ	34.0570, 6.1350, 48.5270

# Conversions

## Conversions Part 2

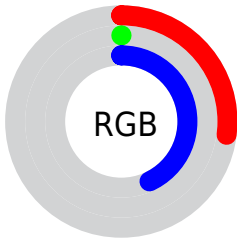
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 1, 110
Decimal	4587886
CIE <sub>Lab</sub>	17.69, 46.42, -45.08
CIE <sub>LCh</sub>	18, 64.707, 315.842
Yxy	2.4496, 0.2353, 0.1077
Android (android.graphics.Color)	4282777966 (0xFF46016E)
YUV	34.0570, 37.4399, 31.5220
Hunter-Lab	15.6512, 33.6394, -45.6501

# Details

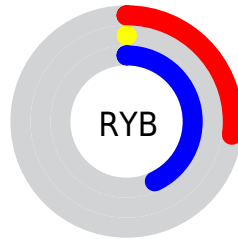
The Hex color **46016E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **296E01**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **7B3AA3**, and **14003D** is the 20% darker color. If you saturate the color by 10%, you get **46006E**, and if you desaturate by 10%, it is **4A0C6E**.

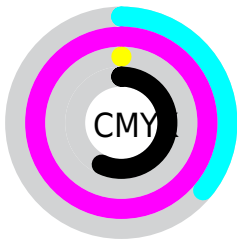
# Distribution



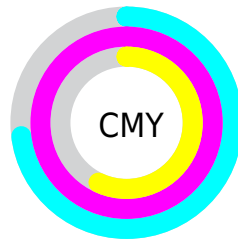
- Red (27%)
- Green (0%)
- Blue (43%)



- Red (27%)
- Yellow (0%)
- Blue (43%)



- Cyan (36%)
- Magenta (99%)
- Yellow (0%)
- Black (57%)



- Cyan (73%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46016E 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 46016E by changing the saturation by 10% instead.



 46016E

 46016E

 FFF8FF

 2B0055


 7B3AA3

 14003D

 9754BE

 000326

 B36DDA

 00010F

 CF88F7

 000000

 ECA3FF

 FFBFFF

 FFDBFF

 46016E

 46016E

■ 46006E

■ 4A0C6E

■ 4E176E

■ 52226E

■ 562D6E

■ 5A386E

■ 5E436E

■ 624E6E

■ 66596E

■ 6A646E

# Harmonies

## Analogous

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



002B88



46016E



6E0043

# Triad

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



46016E



482100



003C44

# Complementary

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



46016E



296E01

# 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.



003B12



46016E



1F3100

# Square

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



46016E



660000



003800



003C6F

# Rectangle

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



46016E



760025



003800



003C34



# Sweetspot

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



46016E



7F648F



012B6E



3E2E47



C7C7C7



474747



# Same Dimension

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



46016E



5A008F



6E0161



363238



4C0078



9D00F7



# Inverse Universe

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



6E0129



8F0034



016E0E



383235



78002C

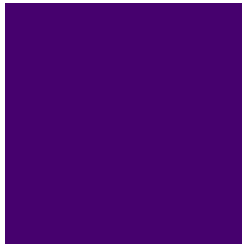


F7005B



# Previews

## White Background



This preview shows how the Hex color 46016E looks on a white background.

## Color Contrast Check

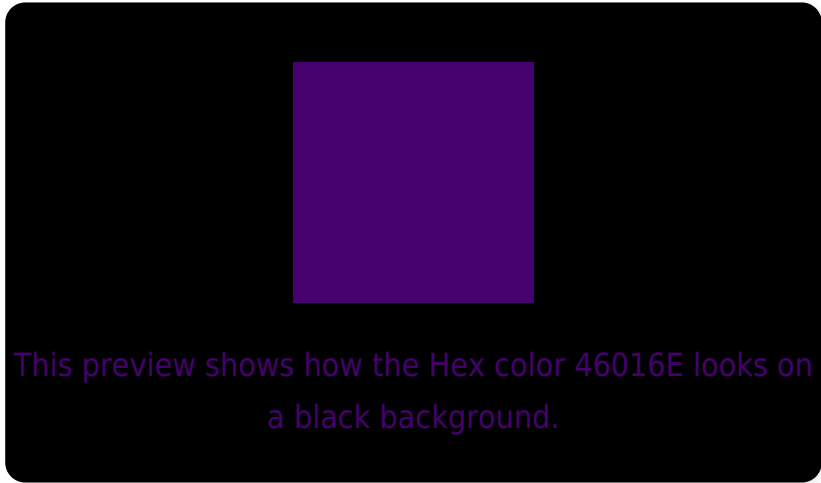
Large Text (above 18pt) WCAG AA ✓ Pass

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

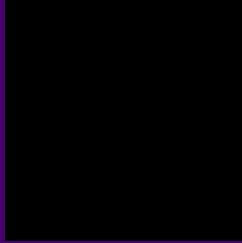
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46016E Background



This preview shows how black text looks on a background with the Hex color 46016E.



This preview shows how white text looks on a background with the Hex color 46016E.

# 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**  
46016E

**Deuteranopia**  
003052

**Tritanopia**  
3A2B2E

# Trichromacy

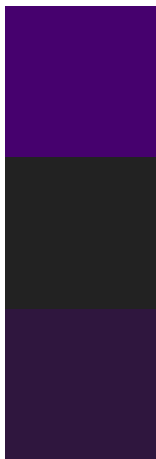


**Original Color**  
46016E

**Deuteranomaly**  
191F5C

**Tritanomaly**  
3E1C45

# Monochromacy



**Original Color**  
46016E

**Achromatopsia**  
222222

**Achromatomaly**  
2F163E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46016E 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 #46016E looks like.

```
.text, #text, p{  
    color:#46016E  
}
```

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 #46016E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46016E
}
```

## Border

The CSS property to change the border of an element to Hex 46016E is called "border". The border property can be set on classes, ids or directly on the HTML element.

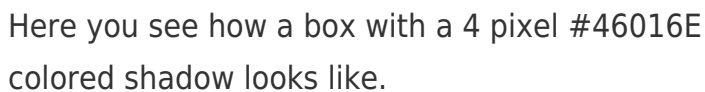
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46016E }
```

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

```
.border{ border-color:#46016E }
```

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



Here you see how a box with a 4 pixel #46016E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46016E; -webkit-box-shadow:4px 4px  
4px 4px #46016E; box-shadow:4px 4px 4px  
4px #46016E }
```

# Background

The CSS property to change the background color of an element to Hex 46016E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46016E }
```

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

```
.background{ background-color:#46016E }
```

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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