

# Converting Colors

Hex(2B006E)

Have a look what the booklet for  
Hex(2B006E) contains.

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**Color**

**Hex(2B006E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B006E
RGB	43, 0, 110
RGB Percent	17%, 0%, 43%
CMY	0.8314, 1.0000, 0.5686
CMYK	0.61, 1.00, 0.00, 0.57
HSL	263°, 100%, 22%
HSV	263°, 100%, 43%
XYZ	3.8107, 1.6394, 14.8674
YIQ	25.3970, -9.6820, 43.3260

# Conversions

## Conversions Part 2

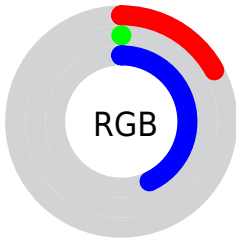
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 0, 110
Decimal	2818158
CIELab	13.47, 44.11, -52.18
CIELCh	13, 68.329, 310.210
Yxy	1.6394, 0.1876, 0.0807
Android (android.graphics.Color)	4281008238 (0xFF2B006E)
YUV	25.3970, 41.7093, 15.4378
Hunter-Lab	12.8038, 30.7193, -59.8831

# Details

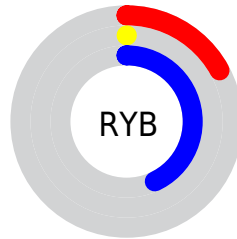
The Hex color **2B006E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **436E00**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **6334A3**, and **00003D** is the 20% darker color. If you saturate the color by 10%, you get **2B006E**, and if you desaturate by 10%, it is **320B6E**.

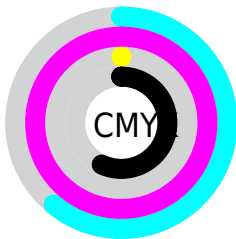
# Distribution



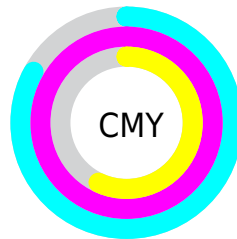
- Red (17%)
- Green (0%)
- Blue (43%)



- Red (17%)
- Yellow (0%)
- Blue (43%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (57%)



- Cyan (83%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B006E 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 2B006E by changing the saturation by 10% instead.



 2B006E

 2B006E

 FFEEFF

 0A0055

 6334A3

 00003D

 7E4DBE

 000326

 9A66DB

 00010F

 B680F7

 000000

 D39BFF

 F1B6FF

 FFD2FF

 2B006E

■ 320B6E

■ 38166E

■ 3F216E

■ 462C6E

■ 4C376E

■ 53426E

■ 5A4D6E

■ 61586E

■ 67636E

# Harmonies

## Analogous

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



002785



2B006E



610044

# Triad

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



2B006E



441100



003232

# Complementary

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



2B006E



436E00

# 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.



003100



2B006E



1D2600

# Square

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



2B006E



600000



002E00



003461

# Rectangle

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



2B006E



6C0025



002E00



003222



# Sweetspot

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



2B006E



75648F



00446E



382E47



C7C7C7



474747



# Same Dimension

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



2B006E



38008F



61006E



353238



2F0078



6100F7



# Inverse Universe

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



6E0043



8F0057



0D6E00



383236



780049

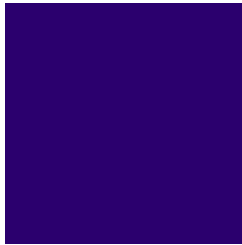


F70097



# Previews

## White Background



This preview shows how the Hex color 2B006E looks on a white background.

## Color Contrast Check

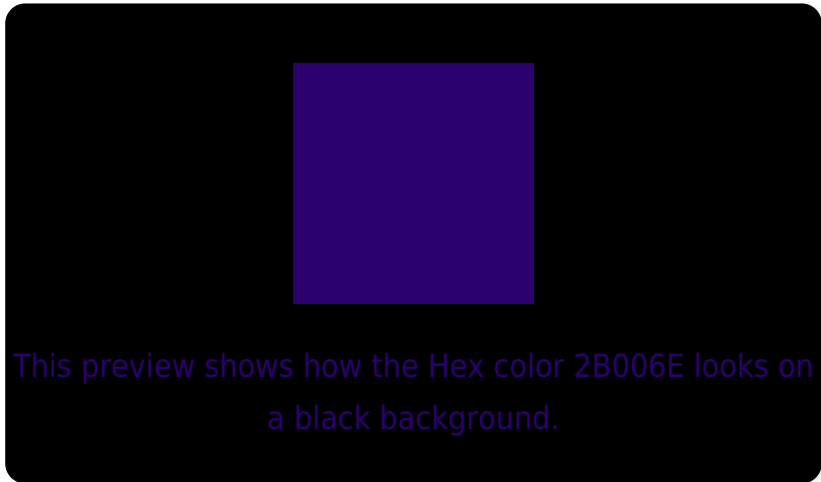
Large Text (above 18pt) WCAG AA ✓ Pass

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

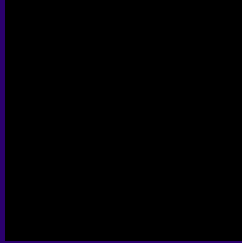
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B006E Background



This preview shows how black text looks on a background with the Hex color 2B006E.



This preview shows how white text looks on a background with the Hex color 2B006E.

# 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**  
2B006E

**Protanopia**  
00254E

**Deuteranopia**  
002843



**Tritanopia**  
072B2E

# Trichromacy



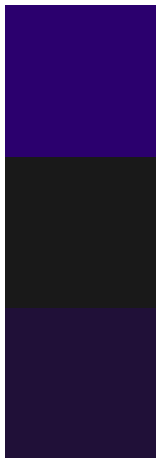
**Original Color**  
2B006E

**Protanomaly**  
10185A

**Deuteranomaly**  
101953

**Tritanomaly**  
141B45

# Monochromacy



**Original Color**  
2B006E

**Achromatopsia**  
191919

**Achromatomaly**  
201038

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B006E 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 #2B006E looks like.

```
.text, #text, p{  
    color:#2B006E  
}
```

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 #2B006E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B006E
}
```

## Border

The CSS property to change the border of an element to Hex 2B006E is called "border". The border property can be set on classes, ids or directly on the HTML element.

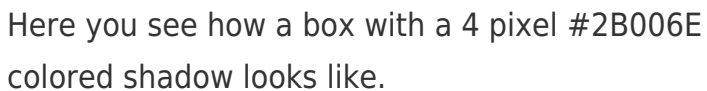
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B006E }
```

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

```
.border{ border-color:#2B006E }
```

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



Here you see how a box with a 4 pixel #2B006E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B006E; -webkit-box-shadow:4px 4px  
4px 4px #2B006E; box-shadow:4px 4px 4px  
4px #2B006E }
```

# Background

The CSS property to change the background color of an element to Hex 2B006E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B006E }
```

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

```
.background{ background-color:#2B006E }
```

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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