

Converting Colors

Hex(2B023F)

Have a look what the booklet for
Hex(2B023F) contains.

Hex(2B023F)	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(2B023F)

Conversions

Conversions Part 1

Format	Color
Hex	2B023F
RGB	43, 2, 63
RGB Percent	17%, 1%, 25%
CMY	0.8314, 0.9922, 0.7529
CMYK	0.32, 0.97, 0.00, 0.75
HSL	280°, 94%, 13%
HSV	280°, 97%, 25%
XYZ	1.9152, 0.9159, 4.7785
YIQ	21.2130, 4.8550, 27.6630

Conversions

Conversions Part 2

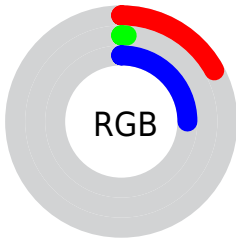
Format	Color
R_{YB}	43, 2, 63
Decimal	2818623
CIE Lab	8.27, 31.45, -28.70
CIE LCh	8, 42.575, 317.613
Yxy	0.9159, 0.2517, 0.1204
Android (android.graphics.Color)	4281008703 (0xFF2B023F)
YUV	21.2130, 20.6010, 19.1072
Hunter-Lab	9.5702, 18.9732, -22.9047

Details

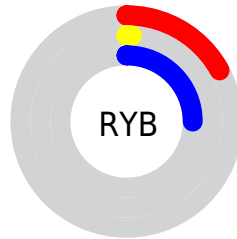
The Hex color **2B023F** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **163F02**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **5C306F**, and **000112** is the 20% darker color. If you saturate the color by 10%, you get **2A003F**, and if you desaturate by 10%, it is **2D083F**.

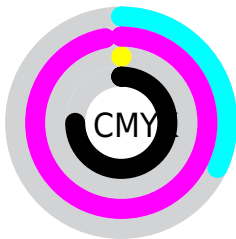
Distribution



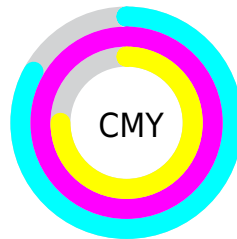
- Red (17%)
- Green (1%)
- Blue (25%)



- Red (17%)
- Yellow (1%)
- Blue (25%)



- Cyan (32%)
- Magenta (97%)
- Yellow (0%)
- Black (75%)



- Cyan (83%)
- Magenta (99%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2B023F 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 2B023F by changing the saturation by 10% instead.

 2B023F

 2B023F

 FFE7FF

 170029

 5C306F

 000112

 754889

 000000

 9060A3

 AB7ABF

 C794DB

 E3AFF7

 FFCBFF

 2B023F

 2B023F

■ 2A003F

■ 2D083F

■ 2F0F3F

■ 31153F

■ 331B3F

■ 35223F

■ 37283F

■ 392E3F

■ 3C343F

■ 3E3B3F

Harmonies

Analogous

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



001750



2B023F



420025

Triad

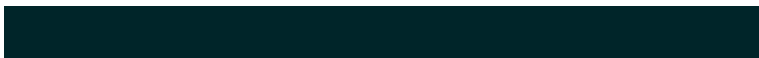
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2B023F



291300



002529

Complementary

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



2B023F



163F02

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.



002406



2B023F



0D1C00

Square

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



2B023F



3B0000



002200



002442

Rectangle

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



2B023F



460012



002200



00241F

Sweetspot

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



2B023F



4A3A52



02163F



241B29



A8A8A8



292929

Same Dimension

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



2B023F



370052



3F0235



1E1C1F



3F005E



9500DE

Inverse Universe

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



3F0216



52001B



023F0C



1F1C1D



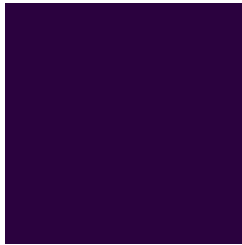
5E001F



DE0049

Previews

White Background



This preview shows how the Hex color 2B023F looks on a white background.

Color Contrast Check

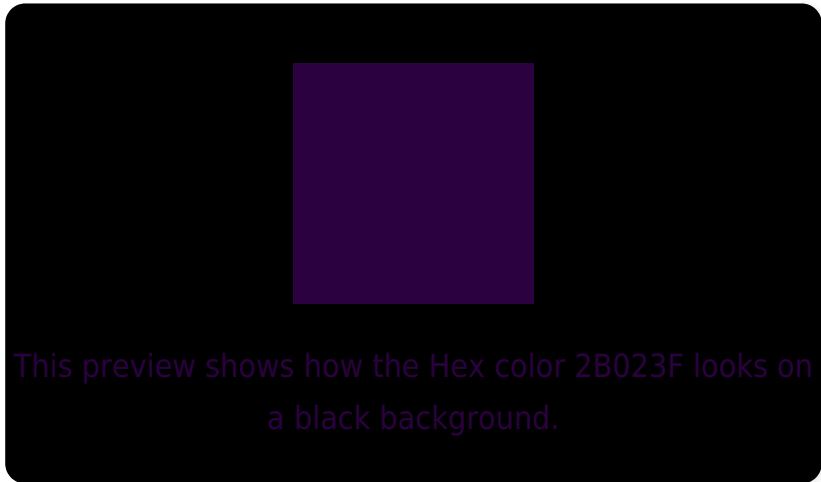
Large Text (above 18pt) WCAG AA ✓ Pass

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

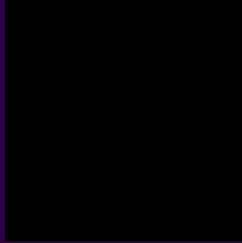
Any Text WCAG AA × Fail

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 2B023F Background



This preview shows how black text looks on a background with the Hex color 2B023F.



This preview shows how white text looks on a background with the Hex color 2B023F.

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
2B023F

Protanopia
001B39

Deuteranopia
001D31



Tritanopia
25191B

Trichromacy



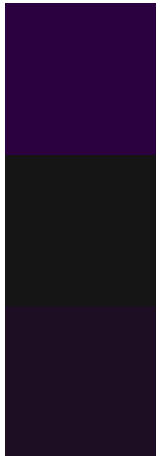
Original Color
2B023F

Protanomaly
10123B

Deuteranomaly
101336

Tritanomaly
271128

Monochromacy



Original Color
2B023F

Achromatopsia
151515

Achromatomaly
1D0E24

CSS Examples

Text

The CSS property to change the color of the text to Hex 2B023F 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 #2B023F looks like.

```
.text, #text, p{  
    color:#2B023F  
}
```

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 #2B023F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B023F
}
```

Border

The CSS property to change the border of an element to Hex 2B023F is called "border". The border property can be set on classes, ids or directly on the HTML element.

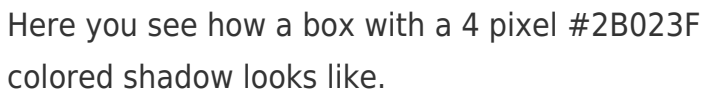
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B023F }
```

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

```
.border{ border-color:#2B023F }
```

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



Here you see how a box with a 4 pixel #2B023F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B023F; -webkit-box-shadow:4px 4px  
4px 4px #2B023F; box-shadow:4px 4px 4px  
4px #2B023F }
```

Background

The CSS property to change the background color of an element to Hex 2B023F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B023F }
```

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

```
.background{ background-color:#2B023F }
```

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