

# Converting Colors

Hex(2A0047)

Have a look what the booklet for  
Hex(2A0047) contains.

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**Color**

**Hex(2A0047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A0047
RGB	42, 0, 71
RGB Percent	16%, 0%, 28%
CMY	0.8353, 1.0000, 0.7216
CMYK	0.41, 1.00, 0.00, 0.72
HSL	275°, 100%, 14%
HSV	275°, 100%, 28%
XYZ	2.0922, 0.9472, 6.0338
YIQ	20.6520, 2.2410, 30.9850

# Conversions

## Conversions Part 2

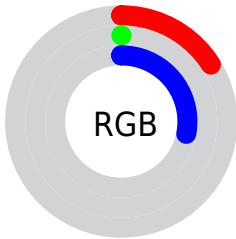
Format	Color
<a href="#">RYB</a>	<a href="#">42, 0, 71</a>
Decimal	<a href="#">2752583</a>
CIELab	<a href="#">8.54, 34.34, -33.93</a>
CIElCh	<a href="#">9, 48.276, 315.338</a>
Yxy	<a href="#">0.9472, 0.2306, 0.1044</a>
Android (android.graphics.Color)	<a href="#">4280942663 (0xFF2A0047)</a>
YUV	<a href="#">20.6520, 24.8216, 18.7222</a>
Hunter-Lab	<a href="#">9.7323, 21.3412, -29.9458</a>

# Details

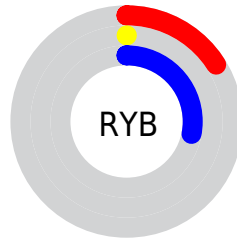
The Hex color **2A0047** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1D4700**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **5C2F78**, and **00011A** is the 20% darker color. If you saturate the color by 10%, you get **2A0047**, and if you desaturate by 10%, it is **2D0747**.

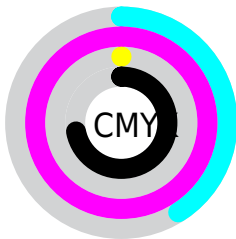
# Distribution



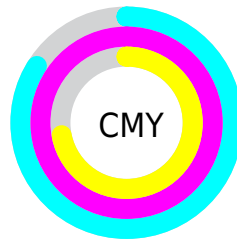
- Red (16%)
- Green (0%)
- Blue (28%)



- Red (16%)
- Yellow (0%)
- Blue (28%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (72%)



- Cyan (84%)
- Magenta (100%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A0047 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 2A0047 by changing the saturation by 10% instead.



 2A0047

 2A0047

 FFE6FF

 160030

 5C2F78

 00011A

 764792

 000000

 905FAD

 AB79C9

 C793E5

 E4AEFF

 FFCAFF

 2A0047

■ 2D0747

■ 300E47

■ 331547

■ 361C47

■ 392447

■ 3B2B47

■ 3E3247

■ 413947

■ 444047

# Harmonies

## Analogous

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



001959



2A0047



46002A

# Triad

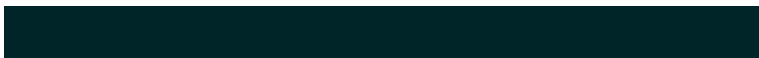
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2A0047



2D1100



002529

# Complementary

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



2A0047



1D4700

# 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.



002400



2A0047



0E1D00

# Square

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



2A0047



410000



002300



002647

# Rectangle

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



2A0047



4C0014



002300



00251E



# Sweetspot

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



2A0047



51405C



001E47



271D2E



ADADAD



2E2E2E



# Same Dimension

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



2A0047



36005C



470041



222024



3B0063



8600E3



# Inverse Universe

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



47001D



5C0025



004706



242022



630029

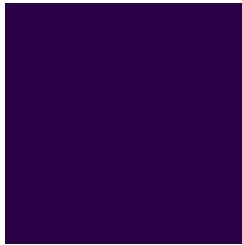


E3005D



# Previews

## White Background



This preview shows how the Hex color 2A0047 looks on a white background.

## Color Contrast Check

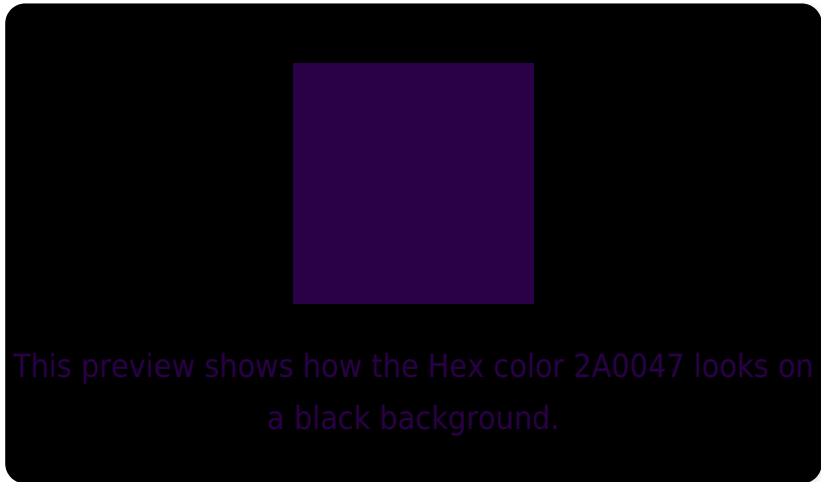
Large Text (above 18pt) WCAG AA ✓ Pass

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

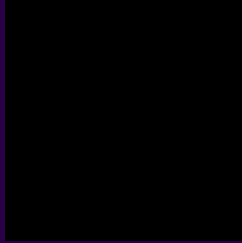
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A0047 Background



This preview shows how black text looks on a background with the Hex color 2A0047.



This preview shows how white text looks on a background with the Hex color 2A0047.

# 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**  
2A0047

**Protanopia**  
001C3B

**Deuteranopia**  
001E33



**Tritanopia**  
211C1E

# Trichromacy



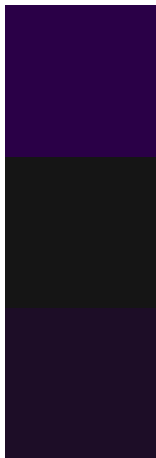
**Original Color**  
2A0047

**Protanomaly**  
0F123F

**Deuteranomaly**  
0F133A

**Tritanomaly**  
24122D

# Monochromacy



**Original Color**  
2A0047

**Achromatopsia**  
151515

**Achromatomaly**  
1D0D27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A0047 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 #2A0047 looks like.

```
.text, #text, p{  
    color:#2A0047  
}
```

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 #2A0047 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A0047
}
```

## Border

The CSS property to change the border of an element to Hex 2A0047 is called "border". The border property can be set on classes, ids or directly on the HTML element.

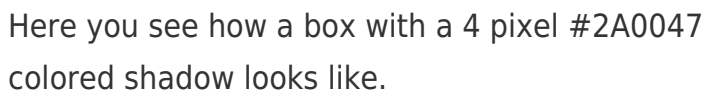
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A0047 }
```

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

```
.border{ border-color:#2A0047 }
```

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



Here you see how a box with a 4 pixel #2A0047 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A0047; -webkit-box-shadow:4px 4px  
4px 4px #2A0047; box-shadow:4px 4px 4px  
4px #2A0047 }
```

# Background

The CSS property to change the background color of an element to Hex 2A0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A0047 }
```

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

```
.background{ background-color:#2A0047 }
```

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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