

# Converting Colors

Hex(2A025A)

Have a look what the booklet for  
Hex(2A025A) contains.

<b>Hex(2A025A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2A025A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A025A
RGB	42, 2, 90
RGB Percent	16%, 1%, 35%
CMY	0.8353, 0.9922, 0.6471
CMYK	0.53, 0.98, 0.00, 0.65
HSL	267°, 96%, 18%
HSV	267°, 98%, 35%
XYZ	2.8220, 1.2738, 9.7700
YIQ	23.9920, -4.4080, 35.8480

# Conversions

## Conversions Part 2

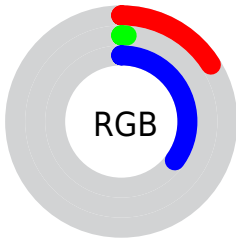
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 2, 90
Decimal	2753114
CIE Lab	11.09, 38.05, -42.83
CIE LCh	11, 57.292, 311.621
Yxy	1.2738, 0.2035, 0.0919
Android (android.graphics.Color)	4280943194 (0xFF2A025A)
YUV	23.9920, 32.5419, 15.7930
Hunter-Lab	11.2865, 24.8800, -43.4232

# Details

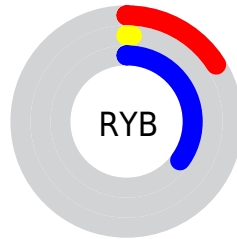
The Hex color **2A025A** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **325A02**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **5E338D**, and **00032B** is the 20% darker color. If you saturate the color by 10%, you get **29005A**, and if you desaturate by 10%, it is **2F0B5A**.

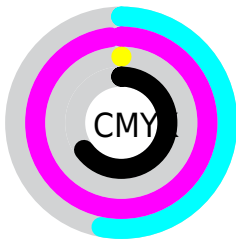
# Distribution



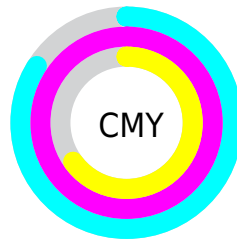
- Red (16%)
- Green (1%)
- Blue (35%)



- Red (16%)
- Yellow (1%)
- Blue (35%)



- Cyan (53%)
- Magenta (98%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (99%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A025A 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 2A025A by changing the saturation by 10% instead.



 2A025A

 2A025A

 FFEBFF

 140042

 5E338D

 00032B

 794BA8

 000115

 9464C3

 000000

 B07EE0

 CC98FC

 E9B3FF

 FFCFFF

 2A025A

 2A025A

■ 29005A

■ 2F0B5A

■ 34145A

■ 391D5A

■ 3E265A

■ 432F5A

■ 47385A

■ 4C415A

■ 514A5A

■ 56535A

# Harmonies

## Analogous

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



00206E



2A025A



530037

# Triad

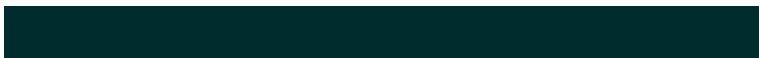
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2A025A



391200



002C2D

# Complementary

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



2A025A



325A02

# 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.



002B00



2A025A



182100

# Square

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



2A025A



500000



002800



002D52

# Rectangle

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



2A025A



5B001E



002800



002B1F



# Sweetspot

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



2A025A



635375



02325A



2F263B



BABABA



3B3B3B



# Same Dimension

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



2A025A



350075



56025A



2B292E



32006E



6C00ED



# Inverse Universe

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



5A0232



750040



065A02



2E292C



6E003C

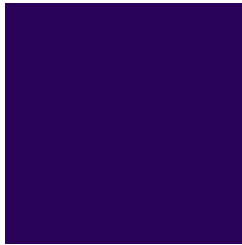


ED0081



# Previews

## White Background



This preview shows how the Hex color 2A025A looks on a white background.

## Color Contrast Check

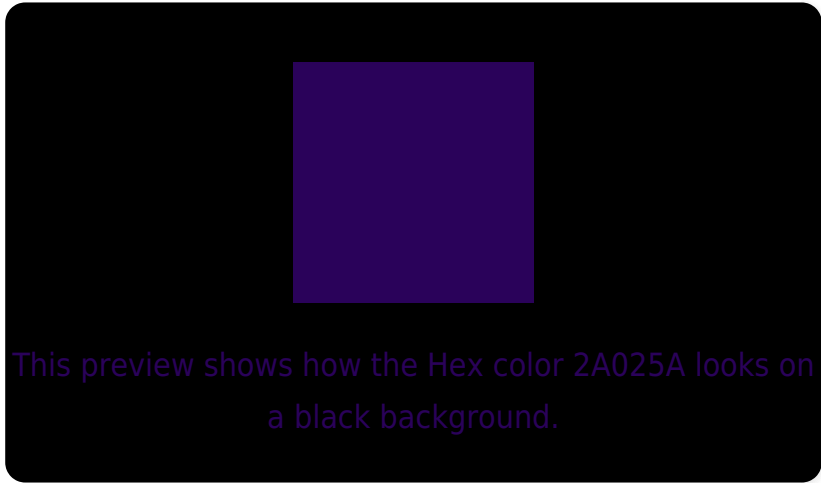
Large Text (above 18pt) WCAG AA ✓ Pass

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

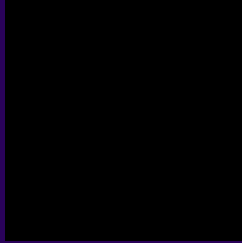
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A025A Background



This preview shows how black text looks on a background with the Hex color 2A025A.



This preview shows how white text looks on a background with the Hex color 2A025A.

# 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](#).

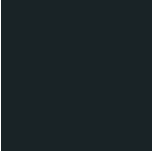
## Dichromacy



**Original Color**  
2A025A

**Protanopia**  
002044

**Deuteranopia**  
00233A



**Tritanopia**  
192326

# Trichromacy



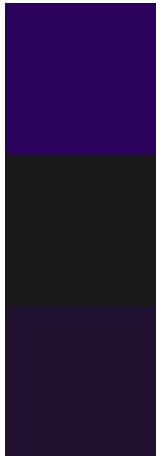
**Original Color**  
2A025A

**Protanomaly**  
0F154C

**Deuteranomaly**  
0F1746

**Tritanomaly**  
1F1739

# Monochromacy



**Original Color**  
2A025A

**Achromatopsia**  
181818

**Achromatomaly**  
1F1030

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A025A 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 #2A025A looks like.

```
.text, #text, p{  
    color:#2A025A  
}
```

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 #2A025A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A025A
}
```

## Border

The CSS property to change the border of an element to Hex 2A025A is called "border". The border property can be set on classes, ids or directly on the HTML element.

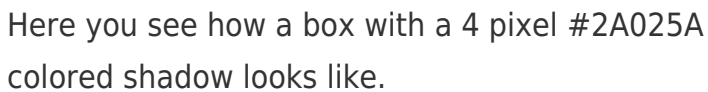
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A025A }
```

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

```
.border{ border-color:#2A025A }
```

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



Here you see how a box with a 4 pixel #2A025A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A025A; -webkit-box-shadow:4px 4px  
4px 4px #2A025A; box-shadow:4px 4px 4px  
4px #2A025A }
```

# Background

The CSS property to change the background color of an element to Hex 2A025A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A025A }
```

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

```
.background{ background-color:#2A025A }
```

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