

# Converting Colors

Hex(2D024A)

Have a look what the booklet for  
Hex(2D024A) contains.

<b>Hex(2D024A)</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(2D024A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D024A
RGB	45, 2, 74
RGB Percent	18%, 1%, 29%
CMY	0.8235, 0.9922, 0.7098
CMYK	0.39, 0.97, 0.00, 0.71
HSL	276°, 95%, 15%
HSV	276°, 97%, 29%
XYZ	2.3399, 1.0957, 6.5667
YIQ	23.0650, 2.5160, 31.5080

# Conversions

## Conversions Part 2

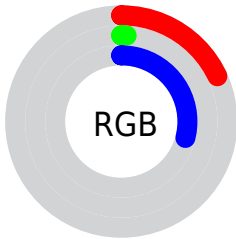
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 2, 74
Decimal	2949706
CIELab	9.76, 34.40, -34.01
CIELCh	10, 48.373, 315.326
Yxy	1.0957, 0.2339, 0.1095
Android (android.graphics.Color)	4281139786 (0xFF2D024A)
YUV	23.0650, 25.1110, 19.2370
Hunter-Lab	10.4677, 21.5833, -29.8674




# Details

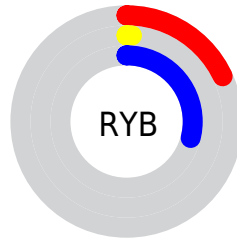
The Hex color **2D024A** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1F4A02**, and the grayscale version is **171717**.




A 20% lighter version of the original color is **5F327C**, and **00021D** is the 20% darker color. If you saturate the color by 10%, you get **2C004A**, and if you desaturate by 10%, it is **30094A**.

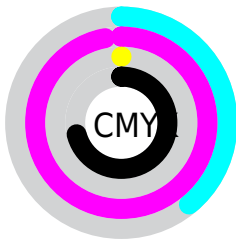
# Distribution







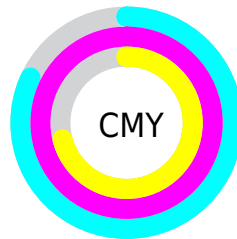
-  Red (18%)
-  Green (1%)
-  Blue (29%)






-  Red (18%)
-  Yellow (1%)
-  Blue (29%)



-  Cyan (39%)
-  Magenta (97%)
-  Yellow (0%)
-  Black (71%)



-  Cyan (82%)
-  Magenta (99%)
-  Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D024A 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 2D024A by changing the saturation by 10% instead.



 2D024A

 2D024A

 FFE9FF

 1B0033

 5F327C

 00021D

 794A96

 000000

 9462B1

 AF7CCC

 CB96E9

 E7B1FF

 FFCDFD

 2D024A

 2D024A

■ 2C004A

■ 30094A

■ 33114A

■ 36184A

■ 39204A

■ 3C274A

■ 3F2E4A

■ 42364A

■ 453D4A

■ 48454A

# Harmonies

## Analogous

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



001B5C



2D024A



4A002C

# Triad

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



2D024A



301300



00282C

# Complementary

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



2D024A



1F4A02

# 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.



002704



2D024A



131F00

# Square

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



2D024A



440000



002500



00284A

# Rectangle

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



2D024A



4F0017



002500



002820



# Sweetspot

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



2D024A



564561



02204A



2A1F30



B0B0B0



303030



# Same Dimension

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



2D024A



3A0061



4A0244



252226



3D0066



8900E6



# Inverse Universe

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



4A021F



610027



024A08



262224



660029

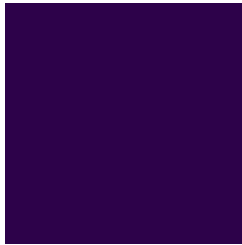


E6005C



# Previews

## White Background



This preview shows how the Hex color 2D024A looks on a white background.

## Color Contrast Check

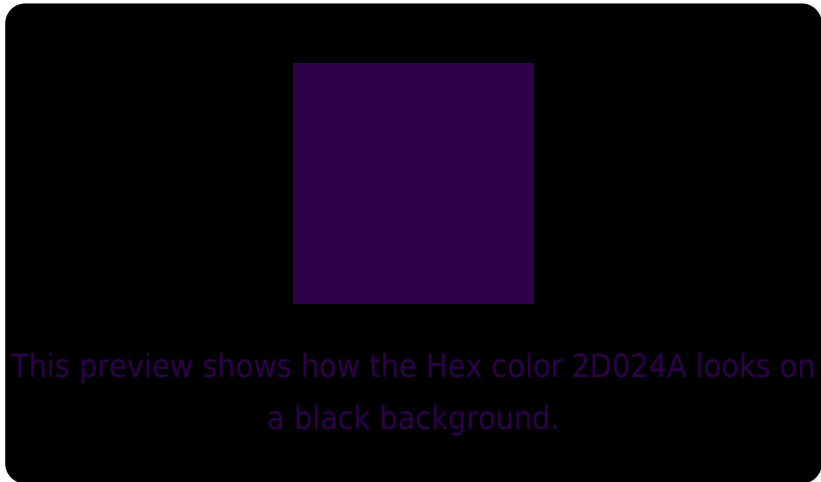
Large Text (above 18pt) WCAG AA ✓ Pass

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

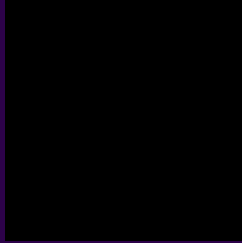
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D024A Background



This preview shows how black text looks on a background with the Hex color 2D024A.



This preview shows how white text looks on a background with the Hex color 2D024A.

# 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**  
2D024A

**Protanopia**  
001E3F

**Deuteranopia**  
002036



**Tritanopia**  
241D1F

# Trichromacy



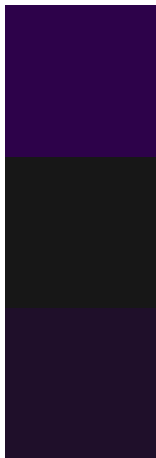
**Original Color**  
2D024A

**Protanomaly**  
101443

**Deuteranomaly**  
10153D

**Tritanomaly**  
27132F

# Monochromacy



**Original Color**  
2D024A

**Achromatopsia**  
171717

**Achromatomaly**  
1F0F2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D024A 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 #2D024A looks like.

```
.text, #text, p{  
    color:#2D024A  
}
```

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 #2D024A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D024A
}
```

## Border

The CSS property to change the border of an element to Hex 2D024A 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
#2D024A }
```

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

```
.border{ border-color:#2D024A }
```

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

Here you see how a box with a 4 pixel #2D024A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D024A; -webkit-box-shadow:4px 4px  
4px 4px #2D024A; box-shadow:4px 4px 4px  
4px #2D024A }
```

# Background

The CSS property to change the background color of an element to Hex 2D024A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D024A }
```

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

```
.background{ background-color:#2D024A }
```

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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