

# Converting Colors

Hex(28294A)

Have a look what the booklet for  
Hex(28294A) contains.

<b>Hex(28294A)</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(28294A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28294A
RGB	40, 41, 74
RGB Percent	16%, 16%, 29%
CMY	0.8431, 0.8392, 0.7098
CMYK	0.46, 0.45, 0.00, 0.71
HSL	238°, 30%, 22%
HSV	238°, 46%, 29%
XYZ	2.9040, 2.5314, 6.8141
YIQ	44.4630, -11.1890, 10.0510

# Conversions

## Conversions Part 2

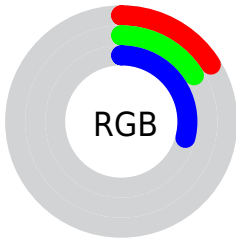
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 41, 74
Decimal	2632010
CIE Lab	18.06, 9.50, -20.68
CIE LCh	18, 22.759, 294.675
Yxy	2.5314, 0.2371, 0.2067
Android (android.graphics.Color)	4280822090 (0xFF28294A)
YUV	44.4630, 14.5617, -3.9141
Hunter-Lab	15.9104, 4.7375, -14.2555

# Details

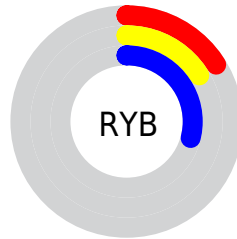
The Hex color **28294A** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **4A4928**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **57567B**, and **00011E** is the 20% darker color. If you saturate the color by 10%, you get **21224A**, and if you desaturate by 10%, it is **2F304A**.

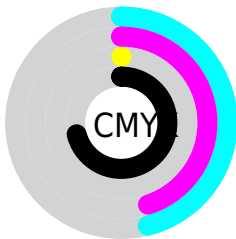
# Distribution



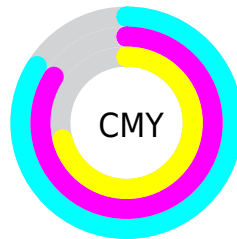
- Red (16%)
- Green (16%)
- Blue (29%)



- Red (16%)
- Yellow (16%)
- Blue (29%)



- Cyan (46%)
- Magenta (45%)
- Yellow (0%)
- Black (71%)



- Cyan (84%)
- Magenta (84%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28294A 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 28294A by changing the saturation by 10% instead.



■ 28294A

■ 28294A

FFFFFF

■ 111533

■ 57567B

■ 00011E

■ 706E95

■ 000000

■ 8A88B0

■ A4A2CB

■ C0BDE7

■ DCD9FF

■ F9F5FF

■ 28294A

■ 28294A

■ 21224A

■ 2F304A

■ 191B4A

■ 37374A

■ 12134A

■ 3E3F4A

■ 0A0C4A

■ 46464A

■ 03054A

■ 4D4D4A

■ 00024A

■ 54544A

■ 5C5B4A

■ 63624A

■ 6B6A4A

# Harmonies

## Analogous

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



002F4D



28294A



3D223F

# Triad

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



28294A



442412



003429

# Complementary

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



28294A



4A4928

# 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.



133218



28294A



382A08

# Square

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



28294A



4A1F1F



282F0C



003439

# Rectangle

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



28294A



461F35



282F0C



003423



# Sweetspot

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



28294A



535461



284A49



282830



B0B0B0



303030



# Same Dimension

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



28294A



2C2D61



38284A



222326



000366



0007E6



# Inverse Universe

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



4A2829



612C2D



3A4A28



262223



660003



E60007



# Previews

## White Background



This preview shows how the Hex color 28294A looks on a white background.

## Color Contrast Check

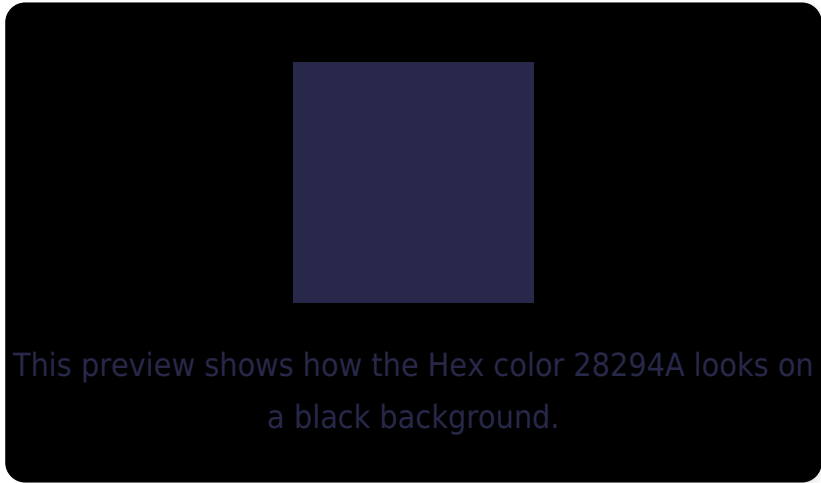
Large Text (above 18pt) WCAG AA ✓ Pass

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

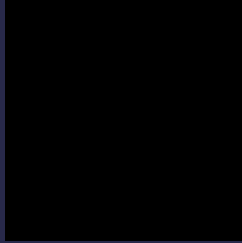
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28294A Background



This preview shows how black text looks on a background with the Hex color 28294A.



This preview shows how white text looks on a background with the Hex color 28294A.

# 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](#).

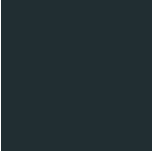
## Dichromacy



**Original Color**  
28294A

**Protanopia**  
1E2B4C

**Deuteranopia**  
192C49



**Tritanopia**  
212E32

# Trichromacy



**Original Color**  
28294A

**Protanomaly**  
222A4B

**Deuteranomaly**  
1E2B49

**Tritanomaly**  
242C3B

# Monochromacy



**Original Color**  
28294A

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
2B2B37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28294A 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 #28294A looks like.

```
.text, #text, p{  
    color:#28294A  
}
```

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 #28294A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28294A
}
```

## Border

The CSS property to change the border of an element to Hex 28294A is called "border". The border property can be set on classes, ids or directly on the HTML element.

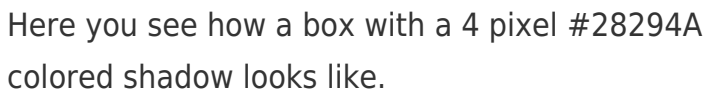
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#28294A }
```

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

```
.border{ border-color:#28294A }
```

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



Here you see how a box with a 4 pixel #28294A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28294A; -webkit-box-shadow:4px 4px  
4px 4px #28294A; box-shadow:4px 4px 4px  
4px #28294A }
```

# Background

The CSS property to change the background color of an element to Hex 28294A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28294A }
```

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

```
.background{ background-color:#28294A }
```

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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