

# Converting Colors

Hex(28382B)

Have a look what the booklet for  
Hex(28382B) contains.

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# Color

**Hex(28382B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28382B
RGB	40, 56, 43
RGB Percent	16%, 22%, 17%
CMY	0.8431, 0.7804, 0.8314
CMYK	0.29, 0.00, 0.23, 0.78
HSL	131°, 17%, 19%
HSV	131°, 29%, 22%
XYZ	2.7253, 3.4539, 2.8085
YIQ	49.7340, -5.3630, -7.4350

# Conversions

## Conversions Part 2

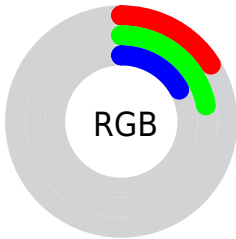
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 53, 56
Decimal	2635819
CIE Lab	21.78, -9.80, 6.04
CIE LCh	22, 11.508, 148.343
Yxy	3.4539, 0.3032, 0.3843
Android (android.graphics.Color)	4280825899 (0xFF28382B)
YUV	49.7340, -3.3199, -8.5367
Hunter-Lab	18.5846, -6.3474, 4.0493

# Details

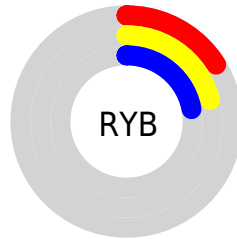
The Hex color **28382B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **382835**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **556758**, and **000C00** is the 20% darker color. If you saturate the color by 10%, you get **223826**, and if you desaturate by 10%, it is **2E3830**.

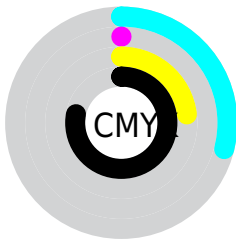
# Distribution



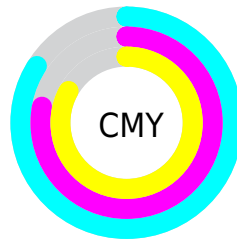
- Red (16%)
- Green (22%)
- Blue (17%)



- Red (16%)
- Yellow (21%)
- Blue (22%)



- Cyan (29%)
- Magenta (0%)
- Yellow (23%)
- Black (78%)



- Cyan (84%)
- Magenta (78%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28382B 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 28382B by changing the saturation by 10% instead.



■ 28382B

■ 28382B

FFFFFF

■ 132217

■ 556758

■ 000C00

■ 6E8071

■ 000000

■ 879A8A

■ A2B5A5

■ BDD0C0

■ D8EDDC

■ F5FFF8

■ 28382B

■ 28382B

■ 223826

■ 2E3830

■ 1D3822

■ 333834

■ 17381D

■ 393839

■ 123819

■ 3E383D

■ 0C3814

■ 443842

■ 063810

■ 4A3846

■ 01380B

■ 4F384B

■ 00380B

■ 55384F

■ 5A3854

# Harmonies

## Analogous

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



323625



28382B



1F3933

# Triad

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



28382B



293545



452E2C

# Complementary

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



28382B



382835

# 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.



442E35



28382B



353243

# Square

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



28382B



1E3742



3F2F3D



423126

# Rectangle

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



28382B



1B3939



3F2F3D



452E2F



# Sweetspot

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



28382B



434A45



353828



222623



A6A6A6



262626



# Same Dimension

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



28382B



314A36



283833



191C1A



005C11



00DB29



# Inverse Universe

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



382835



4A3145



38282D



1C191C



5C004B



DB00B2



# Previews

## White Background



This preview shows how the Hex color 28382B looks on a white background.

## Color Contrast Check

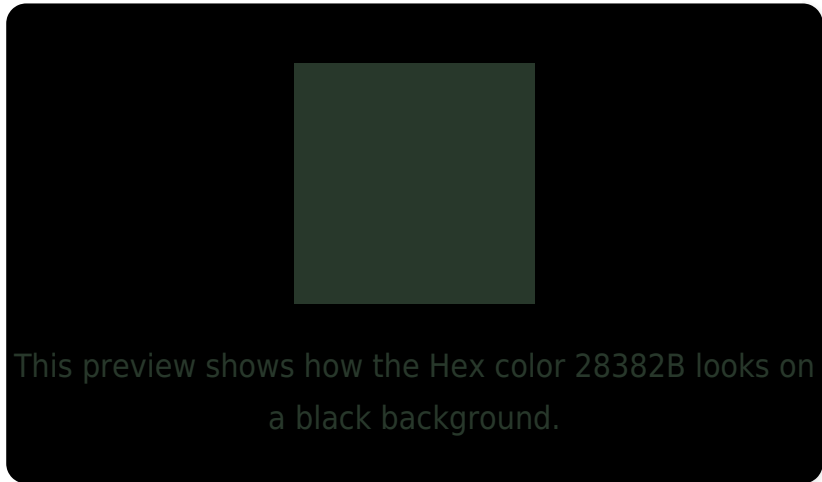
Large Text (above 18pt) WCAG AA ✓ Pass

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

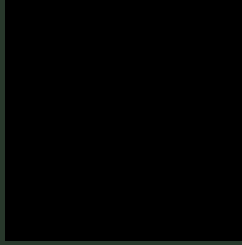
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28382B Background



This preview shows how black text looks on a background with the Hex color 28382B.



This preview shows how white text looks on a background with the Hex color 28382B.

# 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**  
28382B

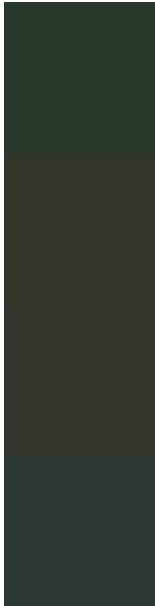
**Protanopia**  
373429

**Deuteranopia**  
3C322C



**Tritanopia**  
2B363A

# Trichromacy



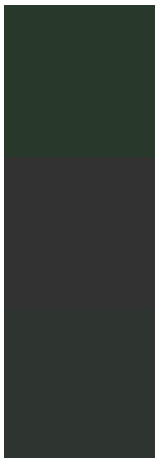
**Original Color**  
28382B

**Protanomaly**  
32352A

**Deuteranomaly**  
35342C

**Tritanomaly**  
2A3735

# Monochromacy



**Original Color**  
28382B

**Achromatopsia**  
323232

**Achromatomaly**  
2E342F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28382B 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 #28382B looks like.

```
.text, #text, p{  
    color:#28382B  
}
```

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 #28382B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28382B
}
```

## Border

The CSS property to change the border of an element to Hex 28382B 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".

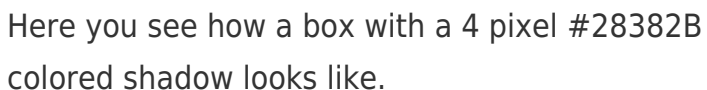
```
.border, #border, table{ border:4px solid
#28382B }
```

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

```
.border{ border-color:#28382B }
```

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

Here you see how a box with a 4 pixel #28382B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28382B; -webkit-box-shadow:4px 4px  
4px 4px #28382B; box-shadow:4px 4px 4px  
4px #28382B }
```

# Background

The CSS property to change the background color of an element to Hex 28382B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28382B }
```

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

```
.background{ background-color:#28382B }
```

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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