

# Converting Colors

Hex(302833)

Have a look what the booklet for  
Hex(302833) contains.

<b>Hex(302833)</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(302833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	302833
RGB	48, 40, 51
RGB Percent	19%, 16%, 20%
CMY	0.8118, 0.8431, 0.8000
CMYK	0.06, 0.22, 0.00, 0.80
HSL	284°, 12%, 18%
HSV	284°, 22%, 20%
XYZ	2.5753, 2.3850, 3.4566
YIQ	43.6460, 1.2370, 5.1170

# Conversions

## Conversions Part 2

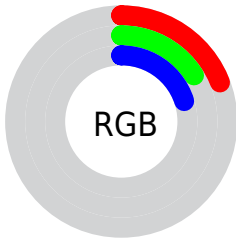
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 40, 51
Decimal	3156019
CIE Lab	17.39, 6.25, -5.76
CIE LCh	17, 8.499, 317.352
Yxy	2.3850, 0.3060, 0.2834
Android (android.graphics.Color)	4281346099 (0xFF302833)
YUV	43.6460, 3.6255, 3.8185
Hunter-Lab	15.4434, 2.7398, -2.4601

# Details

The Hex color **302833** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2B3328**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **5E5561**, and **000003** is the 20% darker color. If you saturate the color by 10%, you get **2F2333**, and if you desaturate by 10%, it is **312D33**.

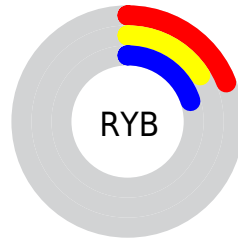
# Distribution



Red (19%)

Green (16%)

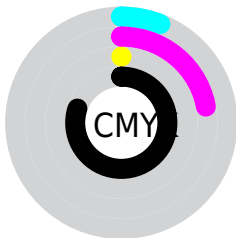
Blue (20%)



Red (19%)

Yellow (16%)

Blue (20%)

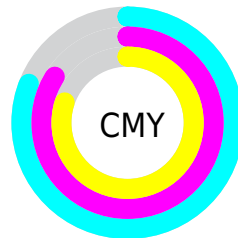


Cyan (6%)

Magenta (22%)

Yellow (0%)

Black (80%)



Cyan (81%)

Magenta (84%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 302833 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 302833 by changing the saturation by 10% instead.



■ 302833

■ 302833

FFFFFF

■ 1B141E

■ 5E5561

■ 000003

■ 776D7A

■ 000000

■ 908794

■ ABA1AE

■ C6BCCA

■ E2D8E6

■ FFF4FF

■ 302833

■ 302833

■ 2F2333

■ 312D33

■ 2D1E33

■ 333233

■ 2C1933

■ 343733

■ 2A1433

■ 363C33

■ 290E33

■ 374233

■ 280933

■ 384733

■ 260433

■ 3A4C33

■ 250033

■ 3B5133

■ 3D5633

# Harmonies

## Analogous

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



282A36



302833



35272E

# Triad

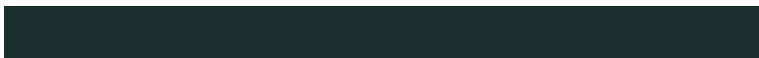
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



302833



32291F



1A2E2E

# Complementary

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



302833



2B3328

# 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.



1E2E28



302833



2C2B1F

# Square

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



302833



362822



252D22



1B2D33

# Rectangle

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



302833



372629



252D22



1B2E2C



# Sweetspot

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



302833



413E42



282B33



211F21



A1A1A1



212121



# Same Dimension

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



302833



3E3142



332831



19171A



410059



9E00D9



# Inverse Universe

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



33282B



423136



28332A



1A1718



590018

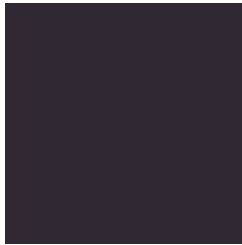


D9003B



# Previews

## White Background



This preview shows how the Hex color 302833 looks on a white background.

## Color Contrast Check

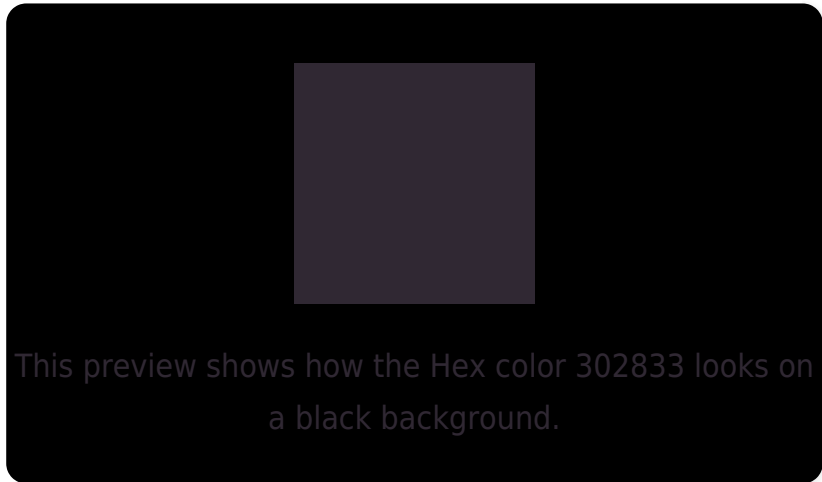
Large Text (above 18pt) WCAG AA ✓ Pass

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

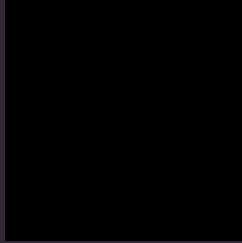
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 302833 Background



This preview shows how black text looks on a background with the Hex color 302833.

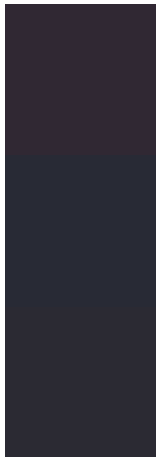


This preview shows how white text looks on a background with the Hex color 302833.

# 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**  
302833

**Protanopia**  
282A35

**Deuteranopia**  
2B2A33



**Tritanopia**  
2F292C

# Trichromacy



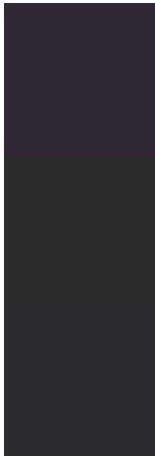
**Original Color**  
302833

**Protanomaly**  
2B2934

**Deuteranomaly**  
2D2933

**Tritanomaly**  
2F292F

# Monochromacy



**Original Color**  
302833

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
2D2B2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 302833 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 #302833 looks like.

```
.text, #text, p{  
    color:#302833  
}
```

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 #302833 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #302833
}
```

## Border

The CSS property to change the border of an element to Hex 302833 is called "border". The border property can be set on classes, ids or directly on the HTML element.

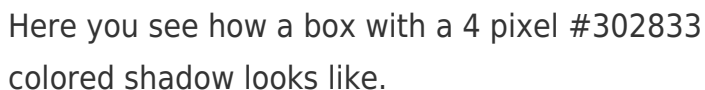
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#302833 }
```

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

```
.border{ border-color:#302833 }
```

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



Here you see how a box with a 4 pixel #302833 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #302833; -webkit-box-shadow:4px 4px  
4px 4px #302833; box-shadow:4px 4px 4px  
4px #302833 }
```

# Background

The CSS property to change the background color of an element to Hex 302833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#302833 }
```

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

```
.background{ background-color:#302833 }
```

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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