

# Converting Colors

Hex(283330)

Have a look what the booklet for  
Hex(283330) contains.

<b>Hex(283330)</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(283330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	283330
RGB	40, 51, 48
RGB Percent	16%, 20%, 19%
CMY	0.8431, 0.8000, 0.8118
CMYK	0.22, 0.00, 0.06, 0.80
HSL	164°, 12%, 18%
HSV	164°, 22%, 20%
XYZ	2.5924, 3.0322, 3.2449
YIQ	47.3690, -5.5930, -3.2650

# Conversions

## Conversions Part 2

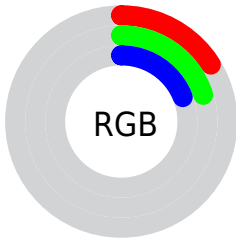
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 46, 51
Decimal	2634544
CIE <sub>Lab</sub>	20.17, -5.41, 0.36
CIE <sub>LCh</sub>	20, 5.419, 176.209
Yxy	3.0322, 0.2923, 0.3419
Android (android.graphics.Color)	4280824624 (0xFF283330)
YUV	47.3690, 0.3111, -6.4626
Hunter-Lab	17.4131, -3.8986, 1.1405

# Details

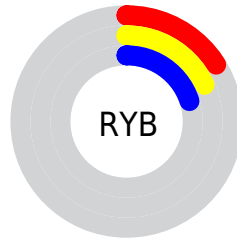
The Hex color **283330** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33282B**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **55615E**, and **000100** is the 20% darker color. If you saturate the color by 10%, you get **23332F**, and if you desaturate by 10%, it is **2D3331**.

# Distribution



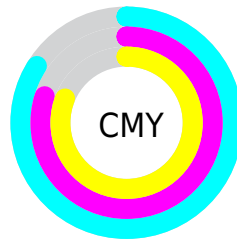
- Red (16%)
- Green (20%)
- Blue (19%)



- Red (16%)
- Yellow (18%)
- Blue (20%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (80%)



- Cyan (84%)
- Magenta (80%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 283330 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 283330 by changing the saturation by 10% instead.



■ 283330

■ 283330

FFFFFF

■ 141E1B

■ 55615E

■ 000100

■ 6E7A77

■ 000000

■ 879490

■ A1AFAB

■ BCCAC6

■ D8E6E2

■ F4FFFF

■ 283330

■ 283330

■ 23332F

■ 2D3331

■ 1E332D

■ 323333

■ 19332C

■ 373334

■ 14332A

■ 3C3336

■ 0E3329

■ 423337

■ 093328

■ 473338

■ 043326

■ 4C333A

■ 003325

■ 51333B

■ 56333D

# Harmonies

## Analogous

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



2C322C



283330



273334

# Triad

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



283330



313038



382F2A

# Complementary

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



283330



33282B

# 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.



392E2D



283330



352F35

# Square

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



283330



2C3138



382E31



343029

# Rectangle

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



283330



273336



382E31



382F2B



# Sweetspot

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



283330



3E4241



2B3328



1F2121



A1A1A1



212121



# Same Dimension

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



283330



31423E



283133



171A19



005941



00D99E



# Inverse Universe

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



33282B



423136



332A28



1A1718



590018

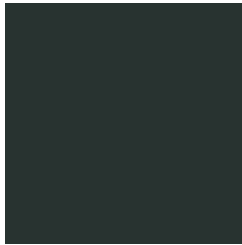


D9003B



# Previews

## White Background



This preview shows how the Hex color 283330 looks on a white background.

## Color Contrast Check

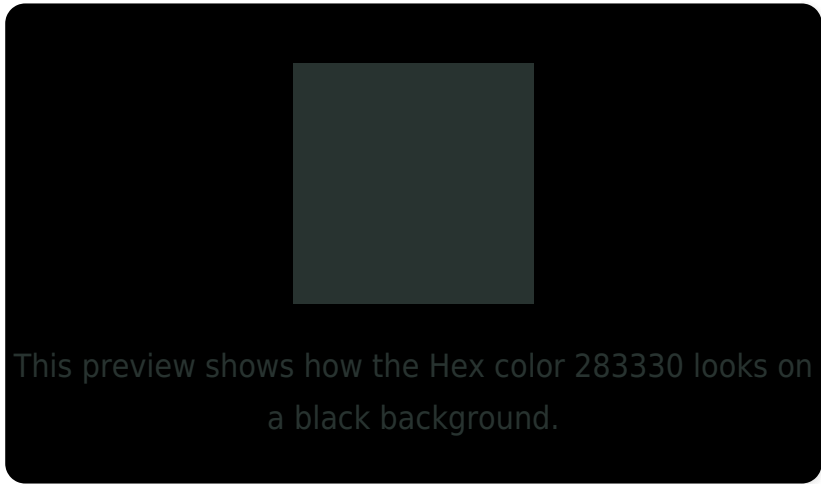
Large Text (above 18pt) WCAG AA ✓ Pass

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

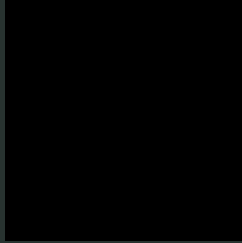
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

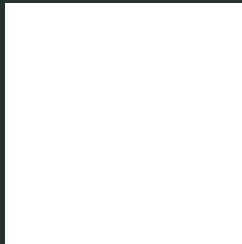
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 283330 Background



This preview shows how black text looks on a background with the Hex color 283330.



This preview shows how white text looks on a background with the Hex color 283330.

# 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](#).

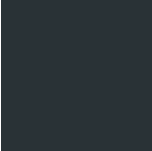
## Dichromacy



**Original Color**  
283330

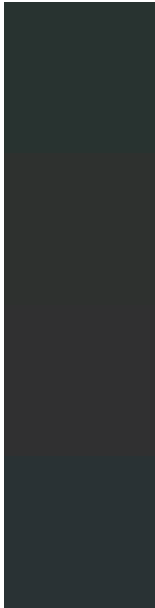
**Protanopia**  
32302F

**Deuteranopia**  
352F31



**Tritanopia**  
293236

# Trichromacy



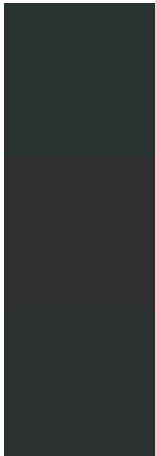
**Original Color**  
283330

**Protanomaly**  
2E312F

**Deuteranomaly**  
303031

**Tritanomaly**  
293234

# Monochromacy



**Original Color**  
283330

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
2C302F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 283330 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 #283330 looks like.

```
.text, #text, p{  
    color:#283330  
}
```

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 #283330 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #283330
}
```

## Border

The CSS property to change the border of an element to Hex 283330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

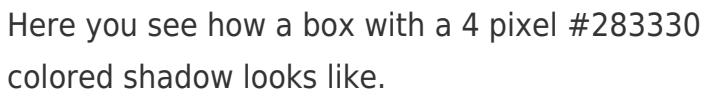
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#283330 }
```

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

```
.border{ border-color:#283330 }
```

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



Here you see how a box with a 4 pixel #283330 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #283330; -webkit-box-shadow:4px 4px  
4px 4px #283330; box-shadow:4px 4px 4px  
4px #283330 }
```

# Background

The CSS property to change the background color of an element to Hex 283330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#283330 }
```

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

```
.background{ background-color:#283330 }
```

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