

Converting Colors

Hex(232D2B)

Have a look what the booklet for
Hex(232D2B) contains.

Hex(232D2B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(232D2B)

Conversions

Conversions Part 1

Format	Color
Hex	232D2B
RGB	35, 45, 43
RGB Percent	14%, 18%, 17%
CMY	0.8627, 0.8235, 0.8314
CMYK	0.22, 0.00, 0.04, 0.82
HSL	168°, 12%, 16%
HSV	168°, 22%, 18%
XYZ	2.0676, 2.4085, 2.6414
YIQ	41.7820, -5.3180, -2.7420

Conversions

Conversions Part 2

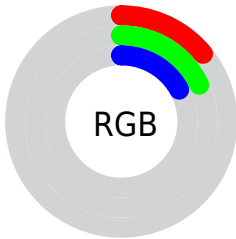
Format	Color
RYB	35, 41, 45
Decimal	2305323
CIELab	17.50, -4.82, -0.14
CIELCh	17, 4.821, 181.650
Yxy	2.4085, 0.2905, 0.3384
Android (android.graphics.Color)	4280495403 (0xFF232D2B)
YUV	41.7820, 0.6005, -5.9478
Hunter-Lab	15.5194, -3.3783, 0.7724

Details

The Hex color **232D2B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2D2325**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **505B58**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F2D2A**, and if you desaturate by 10%, it is **282D2C**.

Distribution



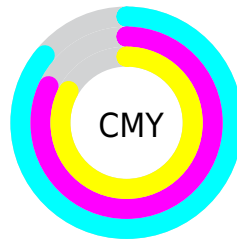
- Red (14%)
- Green (18%)
- Blue (17%)



- Red (14%)
- Yellow (16%)
- Blue (18%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (82%)



- Cyan (86%)
- Magenta (82%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232D2B 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 232D2B by changing the saturation by 10% instead.

■ 232D2B

■ 232D2B

FFFFFF

■ 0E1917

■ 505B58

■ 000000

■ 687371

■ 818D8A

■ 9BA7A4

■ B6C2C0

■ D1DEDB

■ EEFBF8

■ 232D2B

■ 232D2B

■ 1F2D2A

■ 282D2C

■ 1A2D29

■ 2C2D2D

■ 162D28

■ 312D2E

■ 112D27

■ 352D2F

■ 0C2D27

■ 3A2D30

■ 082D26

■ 3E2D30

■ 032D25

■ 432D31

■ 002D24

■ 472D32

■ 4C2D33

Harmonies

Analogous

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



262D28



232D2B



222D2E

Triad

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



232D2B



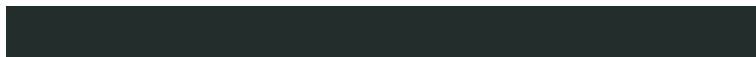
2C2A31



312A25

Complementary

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



232D2B



2D2325

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.



322927



232D2B



30292E

Square

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



232D2B



272B32



32292B



2E2B24

Rectangle

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



232D2B



232C30



32292B



312926

Sweetspot

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



232D2B



373B3A



252D23



1C1F1E



9E9E9E



1F1F1F

Same Dimension

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



232D2B



2B3B37



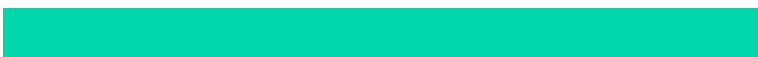
232A2D



151716



005745



00D6AB

Inverse Universe

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



2D2325



3B2B2E



2D2623



171515



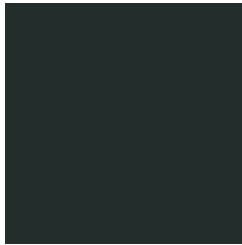
570011



D6002B

Previews

White Background



This preview shows how the Hex color 232D2B looks on a white background.

Color Contrast Check

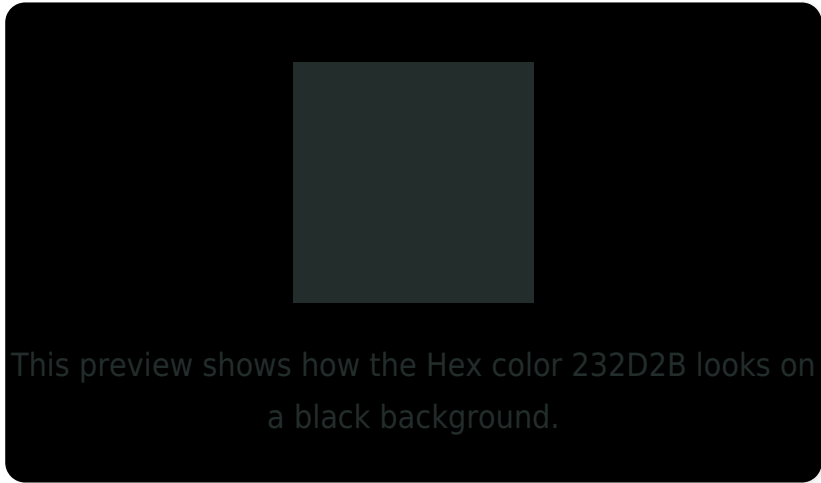
Large Text (above 18pt) WCAG AA ✓ Pass

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

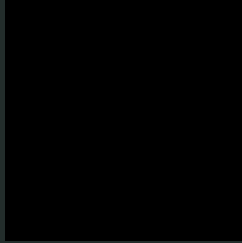
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

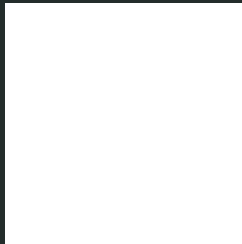
Any Text WCAG AAA × Fail

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

Hex 232D2B Background



This preview shows how black text looks on a background with the Hex color 232D2B.

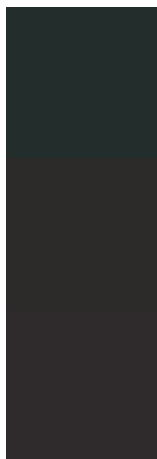


This preview shows how white text looks on a background with the Hex color 232D2B.

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
232D2B

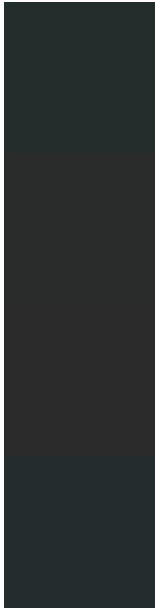
Protanopia
2C2B2A

Deuteranopia
2F2A2C



Tritanopia
242C30

Trichromacy



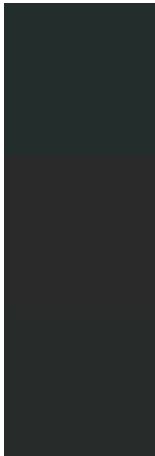
Original Color
232D2B

Protanomaly
292C2A

Deuteranomaly
2B2B2C

Tritanomaly
242C2E

Monochromacy



Original Color
232D2B

Achromatopsia
2A2A2A

Achromatomaly
272B2A

CSS Examples

Text

The CSS property to change the color of the text to Hex 232D2B 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 #232D2B looks like.

```
.text, #text, p{  
    color:#232D2B  
}
```

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 #232D2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232D2B  
}
```

Border

The CSS property to change the border of an element to Hex 232D2B is called "border". The border property can be set on classes, ids or directly on the HTML element.

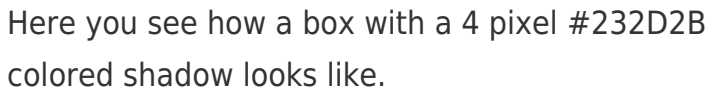
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#232D2B }
```

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

```
.border{ border-color:#232D2B }
```

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



Here you see how a box with a 4 pixel #232D2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232D2B; -webkit-box-shadow:4px 4px  
4px 4px #232D2B; box-shadow:4px 4px 4px  
4px #232D2B }
```

Background

The CSS property to change the background color of an element to Hex 232D2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232D2B }
```

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

```
.background{ background-color:#232D2B }
```

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