

# Converting Colors

Hex(282D23)

Have a look what the booklet for  
Hex(282D23) contains.

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# Color

**Hex(282D23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	282D23
RGB	40, 45, 35
RGB Percent	16%, 18%, 14%
CMY	0.8431, 0.8235, 0.8627
CMYK	0.11, 0.00, 0.22, 0.82
HSL	90°, 12%, 16%
HSV	90°, 22%, 18%
XYZ	2.1168, 2.4492, 1.9513
YIQ	42.3650, 0.2300, -4.1700

# Conversions

## Conversions Part 2

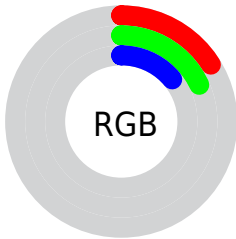
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 45, 40
Decimal	2632995
CIELab	17.69, -4.53, 5.74
CIELCh	18, 7.314, 128.255
Yxy	2.4492, 0.3248, 0.3758
Android (android.graphics.Color)	4280823075 (0xFF282D23)
YUV	42.3650, -3.6309, -2.0741
Hunter-Lab	15.6500, -3.2436, 3.5626

# Details

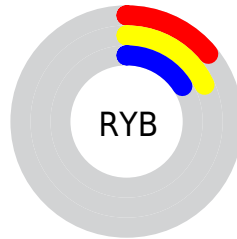
The Hex color **282D23** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28232D**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **555B4F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **262D1F**, and if you desaturate by 10%, it is **2A2D28**.

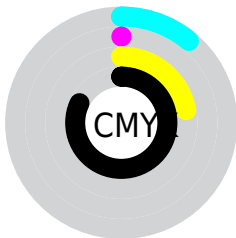
# Distribution



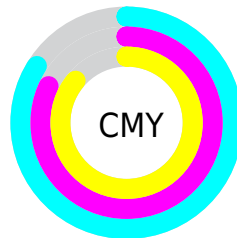
- Red (16%)
- Green (18%)
- Blue (14%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (82%)



- Cyan (84%)
- Magenta (82%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 282D23 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 282D23 by changing the saturation by 10% instead.



■ 282D23

■ 282D23

FFFFFF

■ 14180D

■ 555B4F

■ 000000

■ 6D7367

■ 878D80

■ A1A79A

■ BCC2B5

■ D8DED1

■ F4FBED

■ 282D23

■ 282D23

■ 262D1F

■ 2A2D28

■ 232D1A

■ 2D2D2C

■ 212D16

■ 2F2D31

■ 1F2D11

■ 312D35

■ 1D2D0C

■ 332D3A

■ 1A2D08

■ 362D3E

■ 182D03

■ 382D43

■ 162D00

■ 3A2D47

■ 3C2D4C

# Harmonies

## Analogous

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



2E2B21



282D23



222E27

# Triad

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



282D23



212D35



36282A

# Complementary

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



282D23



28232D

# 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.



33282F



282D23



272B36

# Square

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



282D23



1D2E32



2E2A34



362825

# Rectangle

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



282D23



1F2E2B



2E2A34



36282C



# Sweetspot

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



282D23



393B37



2D2823



1D1F1C



9E9E9E



1F1F1F



# Same Dimension

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



282D23



333B2B



232D23



161715



2B5700



6BD600



# Inverse Universe

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



28232D



332B3B



2D232D



161517



2B0057



6B00D6



# Previews

## White Background



This preview shows how the Hex color 282D23 looks on a white background.

## Color Contrast Check

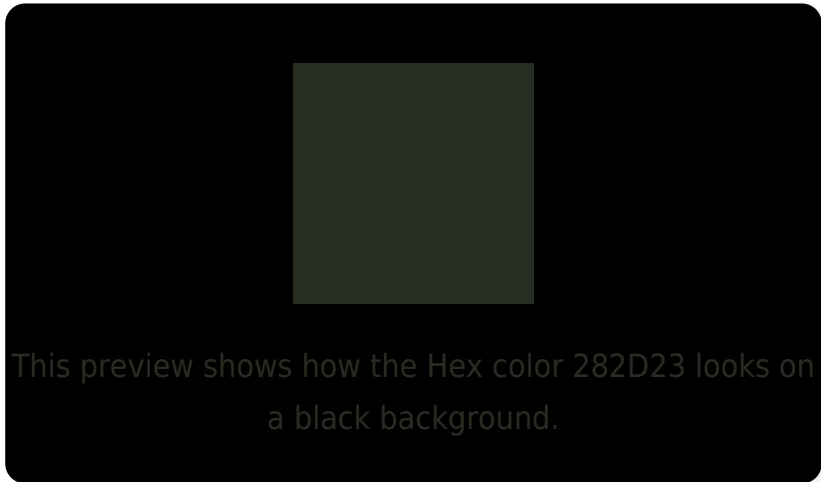
Large Text (above 18pt) WCAG AA ✓ Pass

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

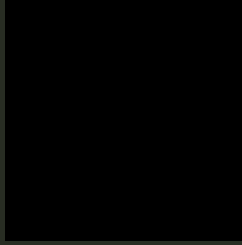
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

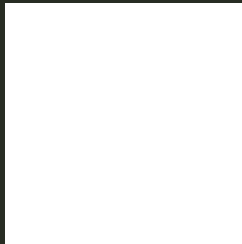
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 282D23 Background



This preview shows how black text looks on a background with the Hex color 282D23.



This preview shows how white text looks on a background with the Hex color 282D23.

# 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**  
282D23

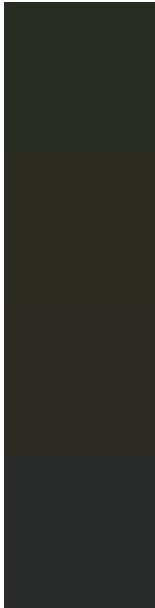
**Protanopia**  
2E2B22

**Deuteranopia**  
322A24



**Tritanopia**  
2A2B2F

# Trichromacy



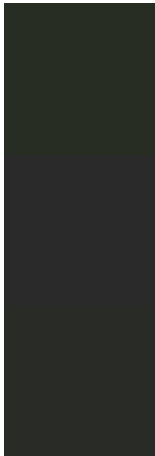
**Original Color**  
282D23

**Protanomaly**  
2C2C22

**Deuteranomaly**  
2E2B24

**Tritanomaly**  
292C2B

# Monochromacy



**Original Color**  
282D23

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
292B27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 282D23 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 #282D23 looks like.

```
.text, #text, p{  
    color:#282D23  
}
```

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 #282D23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #282D23  
}
```

## Border

The CSS property to change the border of an element to Hex 282D23 is called "border". The border property can be set on classes, ids or directly on the HTML element.

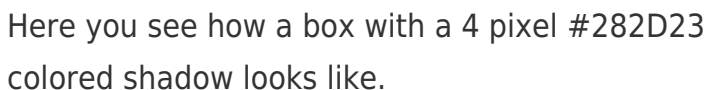
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#282D23 }
```

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

```
.border{ border-color:#282D23 }
```

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



Here you see how a box with a 4 pixel #282D23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #282D23; -webkit-box-shadow:4px 4px  
4px 4px #282D23; box-shadow:4px 4px 4px  
4px #282D23 }
```

# Background

The CSS property to change the background color of an element to Hex 282D23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#282D23 }
```

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

```
.background{ background-color:#282D23 }
```

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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