

Converting Colors

Hex(232D2D)

Have a look what the booklet for
Hex(232D2D) contains.

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Color

Hex(232D2D)

Conversions

Conversions Part 1

Format	Color
Hex	232D2D
RGB	35, 45, 45
RGB Percent	14%, 18%, 18%
CMY	0.8627, 0.8235, 0.8235
CMYK	0.22, 0.00, 0.00, 0.82
HSL	180°, 12%, 16%
HSV	180°, 22%, 18%
XYZ	2.1052, 2.4236, 2.8395
YIQ	42.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

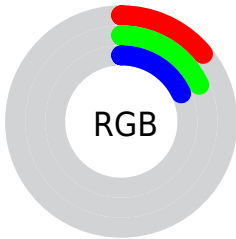
Format	Color
RYB	35, 40, 45
Decimal	2305325
CIELab	17.57, -4.28, -1.43
CIElCh	18, 4.511, 198.495
Yxy	2.4236, 0.2857, 0.3289
Android (android.graphics.Color)	4280495405 (0xFF232D2D)
YUV	42.0100, 1.4741, -6.1478
Hunter-Lab	15.5678, -3.1057, 0.0833

Details

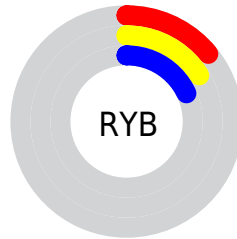
The Hex color **232D2D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2D2323**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **505B5B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F2D2D**, and if you desaturate by 10%, it is **282D2D**.

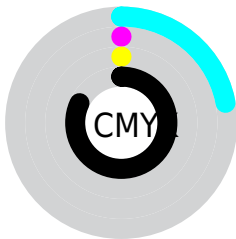
Distribution



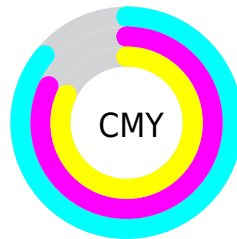
- Red (14%)
- Green (18%)
- Blue (18%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Hex color 232D2D 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 232D2D by changing the saturation by 10% instead.

■ 232D2D

■ 232D2D

FFFFFF

■ 0E1918

■ 505B5B

■ 000000

■ 687373

■ 818D8D

■ 9BA7A7

■ B6C2C2

■ D1DEDE

■ EEFBFB

■ 232D2D

■ 232D2D

■ 1F2D2D

■ 282D2D

■ 1A2D2D

■ 2C2D2D

■ 162D2D

■ 312D2D

■ 112D2D

■ 352D2D

■ 0C2D2D

■ 3A2D2D

■ 082D2D

■ 3E2D2D

■ 032D2D

■ 432D2D

■ 002D2D

■ 472D2D

■ 4C2D2D

Harmonies

Analogous

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



252D2A



232D2D



242D30

Triad

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



232D2D



2E2A2F



2F2A25

Complementary

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



232D2D



2D2323

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.



312926



232D2D



31292C

Square

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



232D2D



2A2B31



322929



2C2B25

Rectangle

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



232D2D



252C31



322929



302A25

Sweetspot

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



232D2D



373B3B



232D23



1C1F1F



9E9E9E



1F1F1F

Same Dimension

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



232D2D



2B3B3B



23282D



151717



005757



00D6D6

Inverse Universe

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



2D232D



3B2B3B



2D2823



171517



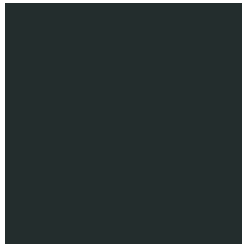
570057



D600D6

Previews

White Background



This preview shows how the Hex color 232D2D looks on a white background.

Color Contrast Check

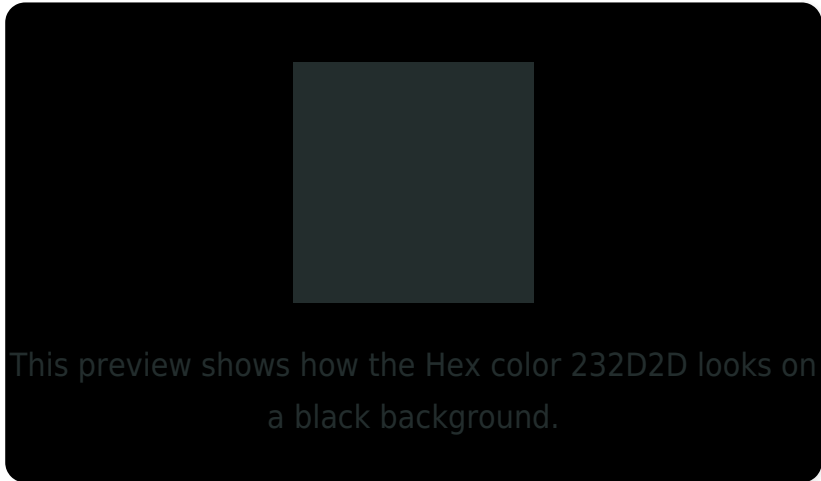
Large Text (above 18pt) WCAG AA ✓ Pass

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

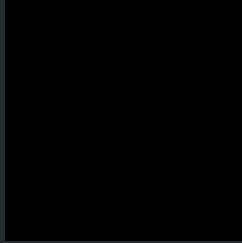
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

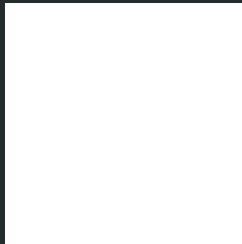
Any Text WCAG AAA × Fail

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

Hex 232D2D Background



This preview shows how black text looks on a background with the Hex color 232D2D.

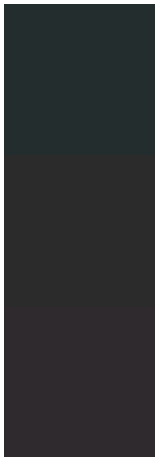


This preview shows how white text looks on a background with the Hex color 232D2D.

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
232D2D

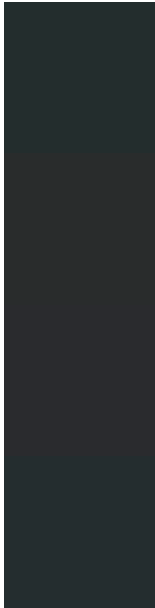
Protanopia
2C2B2C

Deuteranopia
2E2A2E



Tritanopia
242D30

Trichromacy



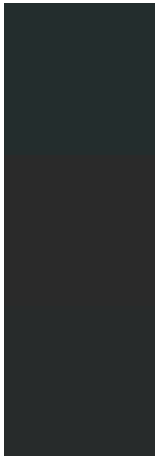
Original Color
232D2D

Protanomaly
292C2C

Deuteranomaly
2A2B2E

Tritanomaly
242D2F

Monochromacy



Original Color
232D2D

Achromatopsia
2A2A2A

Achromatomaly
272B2B

CSS Examples

Text

The CSS property to change the color of the text to Hex 232D2D 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 #232D2D looks like.

```
.text, #text, p{  
    color:#232D2D  
}
```

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 #232D2D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232D2D
}
```

Border

The CSS property to change the border of an element to Hex 232D2D is called "border". The border property can be set on classes, ids or directly on the HTML element.

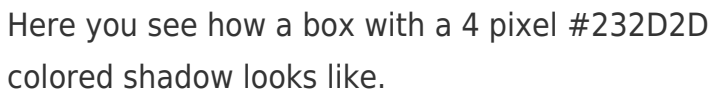
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#232D2D }
```

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

```
.border{ border-color:#232D2D }
```

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



Here you see how a box with a 4 pixel #232D2D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232D2D; -webkit-box-shadow:4px 4px  
4px 4px #232D2D; box-shadow:4px 4px 4px  
4px #232D2D }
```

Background

The CSS property to change the background color of an element to Hex 232D2D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232D2D }
```

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

```
.background{ background-color:#232D2D }
```

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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