

Converting Colors

Hex(232D1B)

Have a look what the booklet for
Hex(232D1B) contains.

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Color

Hex(232D1B)

Conversions

Conversions Part 1

Format	Color
Hex	232D1B
RGB	35, 45, 27
RGB Percent	14%, 18%, 11%
CMY	0.8627, 0.8235, 0.8941
CMYK	0.22, 0.00, 0.40, 0.82
HSL	93°, 25%, 14%
HSV	93°, 40%, 18%
XYZ	1.8294, 2.3132, 1.3870
YIQ	39.9580, -0.1820, -7.7180

Conversions

Conversions Part 2

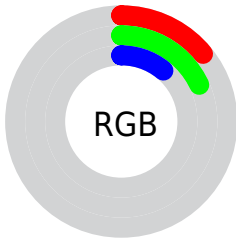
Format	Color
RYB	27, 45, 37
Decimal	2305307
CIELab	17.05, -8.47, 10.28
CIELCh	17, 13.318, 129.494
Yxy	2.3132, 0.3308, 0.4183
Android (android.graphics.Color)	4280495387 (0xFF232D1B)
YUV	39.9580, -6.3883, -4.3482
Hunter-Lab	15.2093, -5.1466, 5.2396

Details

The Hex color **232D1B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **251B2D**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **505B46**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **212D17**, and if you desaturate by 10%, it is **262D20**.

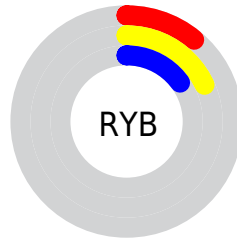
Distribution



Red (14%)

Green (18%)

Blue (11%)



Red (11%)

Yellow (18%)

Blue (15%)

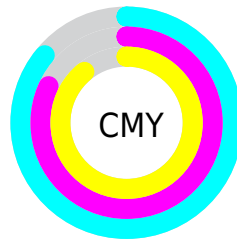


Cyan (22%)

Magenta (0%)

Yellow (40%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 232D1B 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 232D1B by changing the saturation by 10% instead.

■ 232D1B

■ 232D1B

FFFFFF

■ 0F1900

■ 505B46

■ 000000

■ 68735E

■ 818D77

■ 9BA791

■ B6C2AB

■ D2DEC6

■ EEFBE2

■ 232D1B

■ 232D1B

■ 212D17

■ 262D20

■ 1E2D12

■ 282D24

■ 1C2D0E

■ 2B2D29

■ 192D09

■ 2D2D2D

■ 172D04

■ 302D32

■ 142D00

■ 322D36

■ 352D3B

■ 372D3F

■ 3A2D44

Harmonies

Analogous

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



2D2A17



232D1B



172F23

Triad

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



232D1B



122D3C



3D2327

Complementary

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



232D1B



251B2D

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.



382431



232D1B



222A3D

Square

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



232D1B



082F36



2F2639



3C241E

Rectangle

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



232D1B



102F29



2F2639



3C232B

Sweetspot

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



232D1B



373B34



2D251B



1C1F1A



9E9E9E



1F1F1F

Same Dimension

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



232D1B



2B3B1E



1B2D1C



161715



275700



5FD600

Inverse Universe

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



251B2D



2E1E3B



2D1B2C



161517



300057



7700D6

Previews

White Background



This preview shows how the Hex color 232D1B looks on a white background.

Color Contrast Check

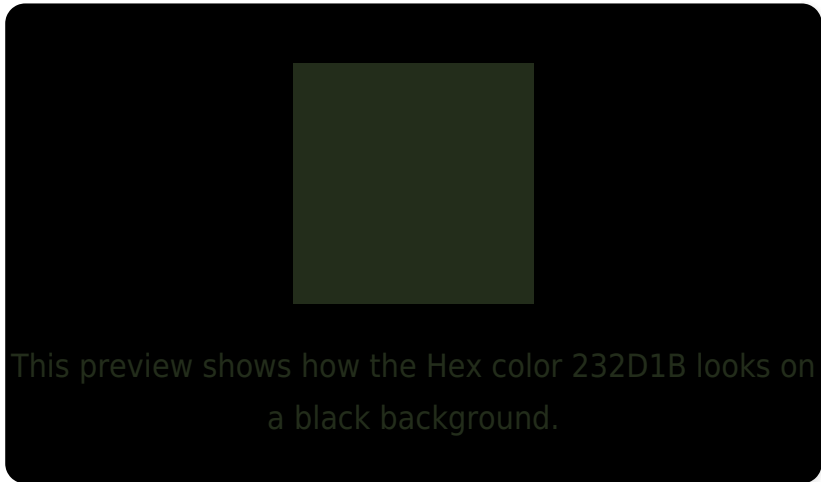
Large Text (above 18pt) WCAG AA ✓ Pass

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

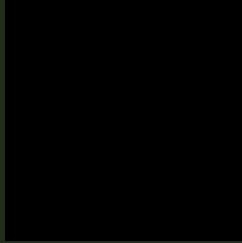
Any Text WCAG AA × Fail

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 232D1B Background



This preview shows how black text looks on a background with the Hex color 232D1B.

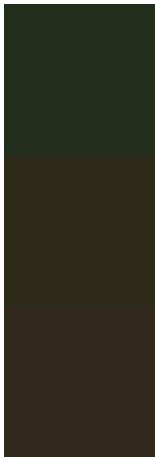


This preview shows how white text looks on a background with the Hex color 232D1B.

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
232D1B

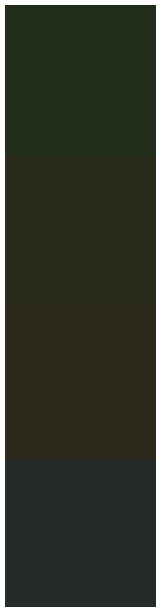
Protanopia
2E2A1A

Deuteranopia
32281C



Tritanopia
262B2E

Trichromacy



Original Color

232D1B

Protanomaly

2A2B1A

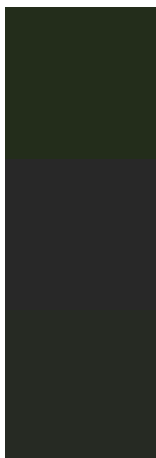
Deuteranomaly

2D2A1C

Tritanomaly

252C27

Monochromacy



Original Color

232D1B

Achromatopsia

282828

Achromatomaly

262A23

CSS Examples

Text

The CSS property to change the color of the text to Hex 232D1B 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 #232D1B looks like.

```
.text, #text, p{  
    color:#232D1B  
}
```

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 #232D1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #232D1B
}
```

Border

The CSS property to change the border of an element to Hex 232D1B 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
#232D1B }
```

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

```
.border{ border-color:#232D1B }
```

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

Here you see how a box with a 4 pixel #232D1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #232D1B; -webkit-box-shadow:4px 4px  
4px 4px #232D1B; box-shadow:4px 4px 4px  
4px #232D1B }
```

Background

The CSS property to change the background color of an element to Hex 232D1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#232D1B }
```

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

```
.background{ background-color:#232D1B }
```

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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