

Converting Colors

Hex(2D2D1B)

Have a look what the booklet for
Hex(2D2D1B) contains.

Hex(2D2D1B)	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(2D2D1B)

Conversions

Conversions Part 1

Format	Color
Hex	2D2D1B
RGB	45, 45, 27
RGB Percent	18%, 18%, 11%
CMY	0.8235, 0.8235, 0.8941
CMYK	0.00, 0.00, 0.40, 0.82
HSL	60°, 25%, 14%
HSV	60°, 40%, 18%
XYZ	2.2184, 2.5138, 1.4052
YIQ	42.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

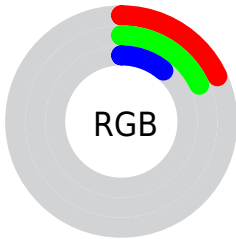
Format	Color
RYB	27, 45, 27
Decimal	2960667
CIELab	17.98, -3.58, 11.68
CIElCh	18, 12.211, 107.041
Yxy	2.5138, 0.3615, 0.4096
Android (android.graphics.Color)	4281150747 (0xFF2D2D1B)
YUV	42.9480, -7.8624, 1.7996
Hunter-Lab	15.8549, -2.7707, 5.8437

Details

The Hex color **2D2D1B** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B1B2D**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **5B5B46**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D2D17**, and if you desaturate by 10%, it is **2D2D20**.

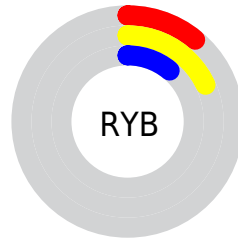
Distribution



Red (18%)

Green (18%)

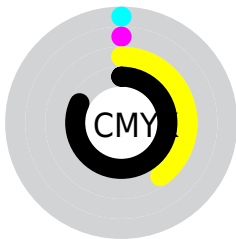
Blue (11%)



Red (11%)

Yellow (18%)

Blue (11%)

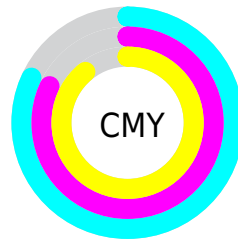


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D2D1B 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 2D2D1B by changing the saturation by 10% instead.

■ 2D2D1B

■ 2D2D1B

FFFFFF

■ 1A1801

■ 5B5B46

■ 000000

■ 74735E

■ 8D8D77

■ A8A791

■ C3C2AB

■ DFDEC6

■ FCFBE2

■ 2D2D1B

■ 2D2D1B

■ 2D2D17

■ 2D2D20

■ 2D2D12

■ 2D2D24

■ 2D2D0E

■ 2D2D29

■ 2D2D09

■ 2D2D2D

■ 2D2D04

■ 2D2D32

■ 2D2D00

■ 2D2D36

■ 2D2D3B

■ 2D2D3F

■ 2D2D44

Harmonies

Analogous

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



362A1B



2D2D1B



232F20

Triad

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



2D2D1B



113039



3B2630

Complementary

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



2D2D1B



1B1B2D

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.



332838



2D2D1B



1B2E3D

Square

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



2D2D1B



113131



282B3D



3E2627

Rectangle

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



2D2D1B



1C3025



282B3D



392633

Sweetspot

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



2D2D1B



3B3B34



2D1B1B



1F1F1A



9E9E9E



1F1F1F

Same Dimension

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



2D2D1B



3B3B1E



242D1B



171715



575700



D6D600

Inverse Universe

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



1B1B2D



1E1E3B



241B2D



151517



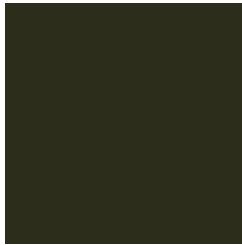
000057



0000D6

Previews

White Background



This preview shows how the Hex color 2D2D1B looks on a white background.

Color Contrast Check

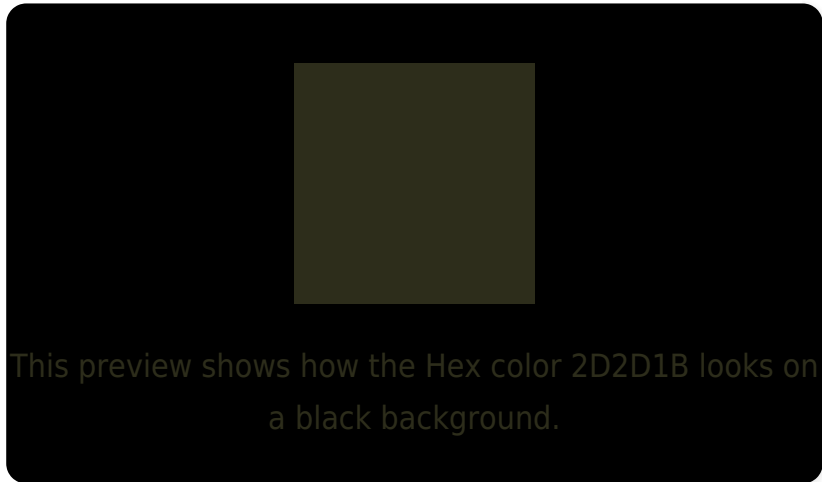
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D2D1B Background



This preview shows how black text looks on a background with the Hex color 2D2D1B.

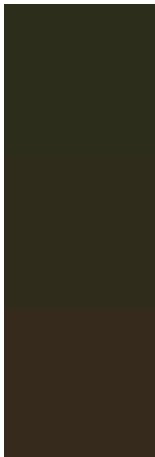


This preview shows how white text looks on a background with the Hex color 2D2D1B.

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
2D2D1B

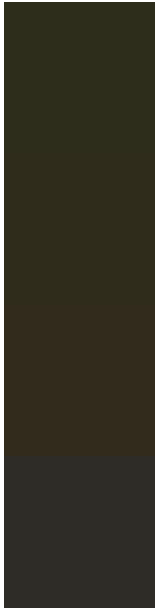
Protanopia
302C1B

Deuteranopia
352A1C



Tritanopia
2F2B2E

Trichromacy



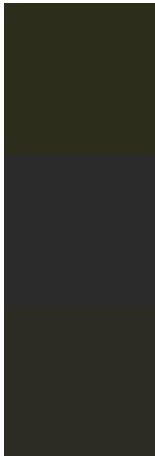
Original Color
2D2D1B

Protanomaly
2F2C1B

Deuteranomaly
322B1C

Tritanomaly
2E2C27

Monochromacy



Original Color
2D2D1B

Achromatopsia
2B2B2B

Achromatomaly
2C2C25

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D2D1B 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 #2D2D1B looks like.

```
.text, #text, p{  
    color:#2D2D1B  
}
```

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 #2D2D1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D2D1B
}
```

Border

The CSS property to change the border of an element to Hex 2D2D1B is called "border". The border property can be set on classes, ids or directly on the HTML element.

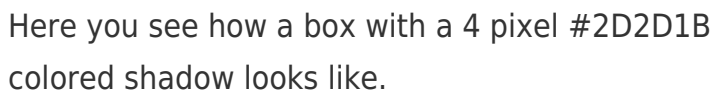
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D2D1B }
```

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

```
.border{ border-color:#2D2D1B }
```

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



Here you see how a box with a 4 pixel #2D2D1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D2D1B; -webkit-box-shadow:4px 4px  
4px 4px #2D2D1B; box-shadow:4px 4px 4px  
4px #2D2D1B }
```

Background

The CSS property to change the background color of an element to Hex 2D2D1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D2D1B }
```

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

```
.background{ background-color:#2D2D1B }
```

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