

# Converting Colors

Hex(2D1B2A)

Have a look what the booklet for  
Hex(2D1B2A) contains.

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# Color

**Hex(2D1B2A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D1B2A
RGB	45, 27, 42
RGB Percent	18%, 11%, 16%
CMY	0.8235, 0.8941, 0.8353
CMYK	0.00, 0.40, 0.07, 0.82
HSL	310°, 25%, 14%
HSV	310°, 40%, 18%
XYZ	1.8920, 1.5089, 2.3820
YIQ	34.0920, 5.9130, 8.4810

# Conversions

## Conversions Part 2

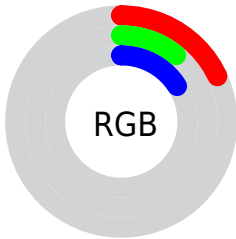
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 27, 42
Decimal	2956074
CIELab	12.66, 11.95, -6.51
CIELCh	13, 13.614, 331.413
Yxy	1.5089, 0.3272, 0.2609
Android (android.graphics.Color)	4281146154 (0xFF2D1B2A)
YUV	34.0920, 3.8986, 9.5663
Hunter-Lab	12.2838, 5.9971, -2.8986

# Details

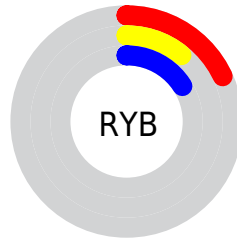
The Hex color **2D1B2A** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **1B2D1E**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **5B4757**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D1729**, and if you desaturate by 10%, it is **2D202B**.

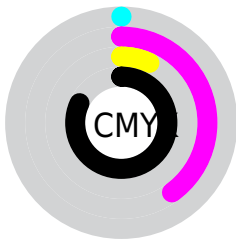
# Distribution



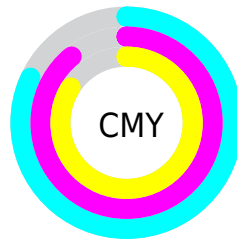
- Red (18%)
- Green (11%)
- Blue (16%)



- Red (18%)
- Yellow (11%)
- Blue (16%)



- Cyan (0%)
- Magenta (40%)
- Yellow (7%)
- Black (82%)



- Cyan (82%)
- Magenta (89%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D1B2A 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 2D1B2A by changing the saturation by 10% instead.



■ 2D1B2A

■ 2D1B2A

FFFFFF

■ 1A0116

■ 5B4757

■ 000000

■ 745E70

■ 8D7789

■ A891A3

■ C3ABBE

■ DFC7DA

■ FCE3F7

■ 2D1B2A

■ 2D1B2A

■ 2D1729

■ 2D202B

■ 2D1228

■ 2D242C

■ 2D0E28

■ 2D292C

■ 2D0927

■ 2D2D2D

■ 2D0426

■ 2D322E

■ 2D0025

■ 2D362F

■ 2D3B2F

■ 2D3F30

■ 2D4431

# Harmonies

## Analogous

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



221E31



2D1B2A



321921

# Triad

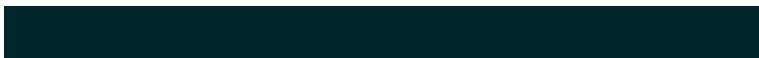
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2D1B2A



27200C



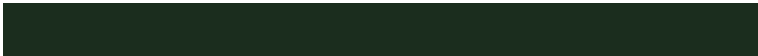
00262A

# Complementary

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



2D1B2A



1B2D1E

# 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.



042621



2D1B2A



1D2310

# Square

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



2D1B2A



2E1D10



112518



022431

# Rectangle

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



2D1B2A



331A1A



112518



002627



# Sweetspot

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



2D1B2A



3B3439



1E1B2D



1F1A1E



9E9E9E



1F1F1F



# Same Dimension

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



2D1B2A



3B1E36



2D1B21



171517



570048



D600B2



# Inverse Universe

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



2D1B2A



3B1E36



1B2D27



171517



570048



D600B2



# Previews

## White Background



This preview shows how the Hex color 2D1B2A looks on a white background.

## Color Contrast Check

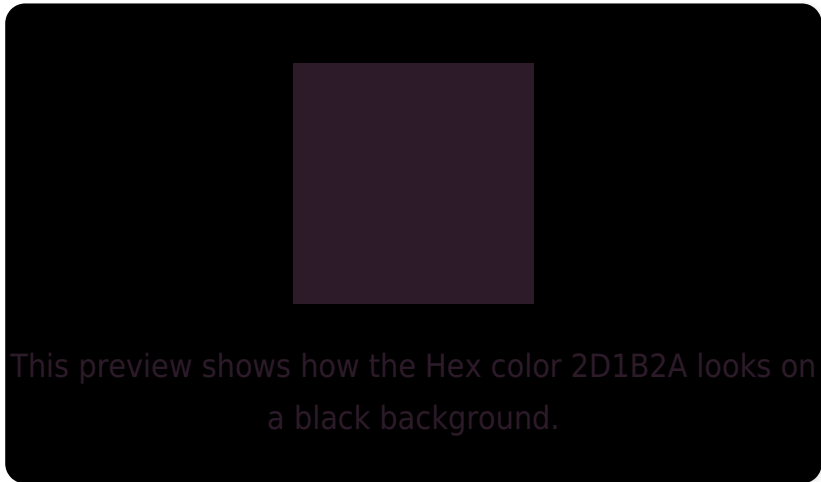
Large Text (above 18pt) WCAG AA ✓ Pass

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

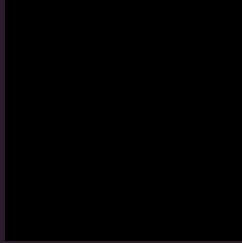
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D1B2A Background



This preview shows how black text looks on a background with the Hex color 2D1B2A.



This preview shows how white text looks on a background with the Hex color 2D1B2A.

# 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**  
2D1B2A

**Protanopia**  
1D212E

**Deuteranopia**  
212129



**Tritanopia**  
2C1D1F

# Trichromacy



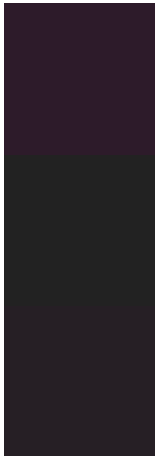
**Original Color**  
2D1B2A

**Protanomaly**  
231F2D

**Deuteranomaly**  
251F29

**Tritanomaly**  
2C1C23

# Monochromacy



**Original Color**  
2D1B2A

**Achromatopsia**  
222222

**Achromatomaly**  
261F25

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D1B2A 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 #2D1B2A looks like.

```
.text, #text, p{  
    color:#2D1B2A  
}
```

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 #2D1B2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1B2A
}
```

## Border

The CSS property to change the border of an element to Hex 2D1B2A is called "border". The border property can be set on classes, ids or directly on the HTML element.

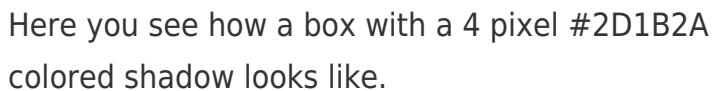
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D1B2A }
```

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

```
.border{ border-color:#2D1B2A }
```

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



Here you see how a box with a 4 pixel #2D1B2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1B2A; -webkit-box-shadow:4px 4px  
4px 4px #2D1B2A; box-shadow:4px 4px 4px  
4px #2D1B2A }
```

# Background

The CSS property to change the background color of an element to Hex 2D1B2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1B2A }
```

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

```
.background{ background-color:#2D1B2A }
```

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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