

Converting Colors

Hex(2D1B12)

Have a look what the booklet for
Hex(2D1B12) contains.

Hex(2D1B12)	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(2D1B12)

Conversions

Conversions Part 1

Format	Color
Hex	2D1B12
RGB	45, 27, 18
RGB Percent	18%, 11%, 7%
CMY	0.8235, 0.8941, 0.9294
CMYK	0.00, 0.40, 0.60, 0.82
HSL	20°, 43%, 12%
HSV	20°, 60%, 18%
XYZ	1.5833, 1.3854, 0.7562
YIQ	31.3560, 13.6170, 1.0170

Conversions

Conversions Part 2

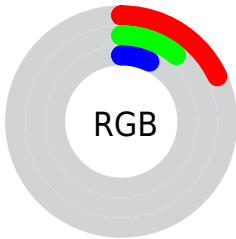
Format	Color
RYB	45, 32, 18
Decimal	2956050
CIELab	11.86, 7.61, 9.63
CIELCh	12, 12.275, 51.693
Yxy	1.3854, 0.4251, 0.3719
Android (android.graphics.Color)	4281146130 (0xFF2D1B12)
YUV	31.3560, -6.5845, 11.9658
Hunter-Lab	11.7704, 3.4128, 4.4300

Details

The Hex color **2D1B12** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12242D**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **5C463C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D180E**, and if you desaturate by 10%, it is **2D1E17**.

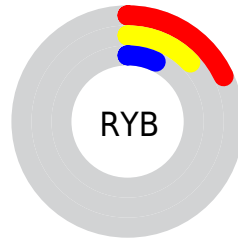
Distribution



Red (18%)

Green (11%)

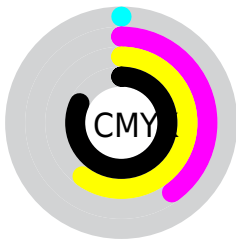
Blue (7%)



Red (18%)

Yellow (13%)

Blue (7%)

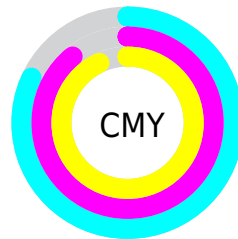


Cyan (0%)

Magenta (40%)

Yellow (60%)

Black (82%)



Cyan (82%)

Magenta (89%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D1B12 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 2D1B12 by changing the saturation by 10% instead.

■ 2D1B12

■ 2D1B12

■ FFFFF2

■ 180100

■ 5C463C

■ 000000

■ 755E53

■ 8F776C

■ AA9085

■ C5AB9F

■ E1C6BA

■ FEE2D6

■ 2D1B12

■ 2D1B12

■ 2D180E

■ 2D1E17

■ 2D1509

■ 2D211B

■ 2D1204

■ 2D2420

■ 2D0F00

■ 2D2724

■ 2D2A29

■ 2D2D2D

■ 2D3032

■ 2D3336

■ 2D363B

Harmonies

Analogous

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



301919



2D1B12



271E0D

Triad

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



2D1B12



0A241D



1D1E2F

Complementary

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



2D1B12



12242D

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.



0F2130



2D1B12



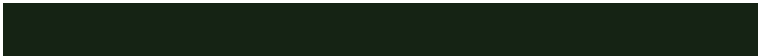
022425

Square

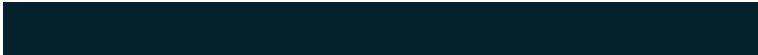
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



2D1B12



152314



02232C



281B2A

Rectangle

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



2D1B12



22200D



02232C



181F30

Sweetspot

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



2D1B12



3B3430



2D1224



1F1A18



9E9E9E



1F1F1F

Same Dimension

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



2D1B12



3B1E10



2D2912



171515



571D00



D64700

Inverse Universe

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



12242D



102D3B



12172D



151617



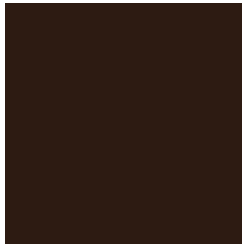
003A57



008FD6

Previews

White Background



This preview shows how the Hex color 2D1B12 looks on a white background.

Color Contrast Check

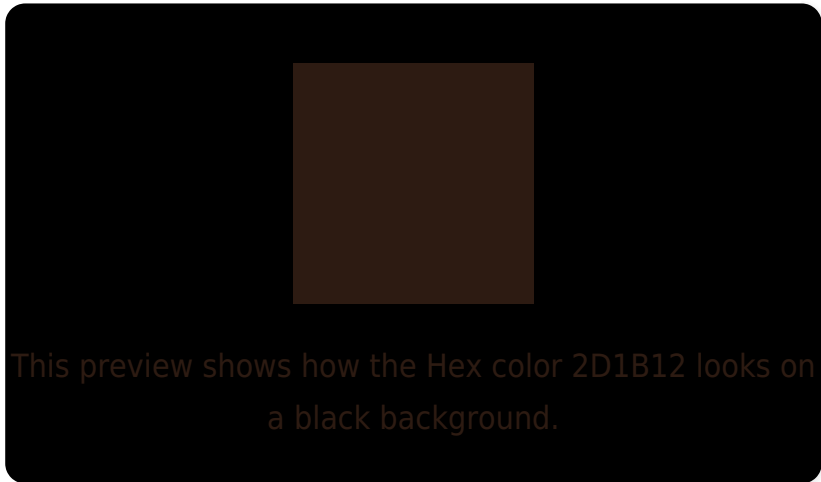
Large Text (above 18pt) WCAG AA ✓ Pass

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

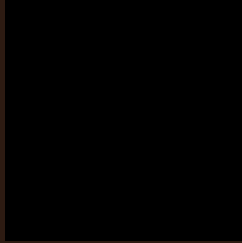
Any Text WCAG AA × Fail

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 2D1B12 Background



This preview shows how black text looks on a background with the Hex color 2D1B12.



This preview shows how white text looks on a background with the Hex color 2D1B12.

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

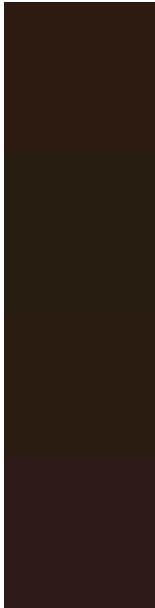


Original Color
2D1B12

Protanopia
232014

Deuteranopia
271E11

Trichromacy



Original Color
2D1B12

Protanomaly
271E13

Deuteranomaly
291D11

Tritanomaly
2E1A18

Monochromacy



Original Color
2D1B12

Achromatopsia
1F1F1F

Achromatomaly
241E1A

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D1B12 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 #2D1B12 looks like.

```
.text, #text, p{  
    color:#2D1B12  
}
```

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 #2D1B12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1B12
}
```

Border

The CSS property to change the border of an element to Hex 2D1B12 is called "border". The border property can be set on classes, ids or directly on the HTML element.

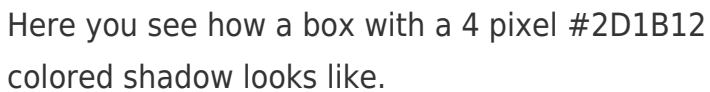
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D1B12 }
```

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

```
.border{ border-color:#2D1B12 }
```

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



Here you see how a box with a 4 pixel #2D1B12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1B12; -webkit-box-shadow:4px 4px  
4px 4px #2D1B12; box-shadow:4px 4px 4px  
4px #2D1B12 }
```

Background

The CSS property to change the background color of an element to Hex 2D1B12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1B12 }
```

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

```
.background{ background-color:#2D1B12 }
```

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