

Converting Colors

Hex(2D2D12)

Have a look what the booklet for
Hex(2D2D12) contains.

Hex(2D2D12)	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(2D2D12)

Conversions

Conversions Part 1

Format	Color
Hex	2D2D12
RGB	45, 45, 18
RGB Percent	18%, 18%, 7%
CMY	0.8235, 0.8235, 0.9294
CMYK	0.00, 0.00, 0.60, 0.82
HSL	60°, 43%, 12%
HSV	60°, 60%, 18%
XYZ	2.1298, 2.4783, 0.9384
YIQ	41.9220, 8.6670, -8.3970

Conversions

Conversions Part 2

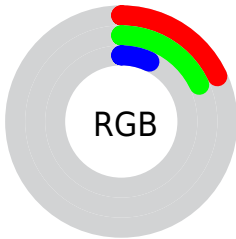
Format	Color
RYB	18, 45, 18
Decimal	2960658
CIELab	17.82, -4.82, 17.30
CIElCh	18, 17.960, 105.553
Yxy	2.4783, 0.3840, 0.4468
Android (android.graphics.Color)	4281150738 (0xFF2D2D12)
YUV	41.9220, -11.7935, 2.6994
Hunter-Lab	15.7427, -3.4014, 7.4858

Details

The Hex color **2D2D12** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12122D**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **5C5A3D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D2D0E**, and if you desaturate by 10%, it is **2D2D17**.

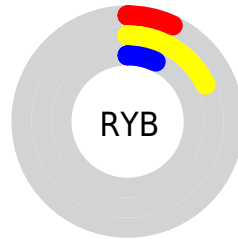
Distribution



Red (18%)

Green (18%)

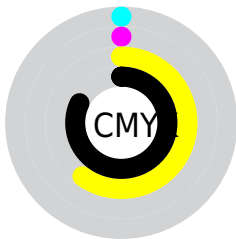
Blue (7%)



Red (7%)

Yellow (18%)

Blue (7%)

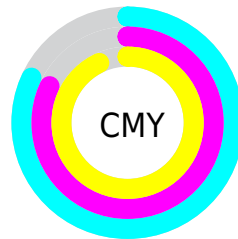


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D2D12 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 2D2D12 by changing the saturation by 10% instead.

 2D2D12

 2D2D12

 FFFFF4

 191800

 5C5A3D

 000000

 757354

 8E8C6D

 A9A786

 C4C2A0

 E0DEBB

 FDFAD7

 2D2D12

 2D2D12

■ 2D2D0E

■ 2D2D17

■ 2D2D09

■ 2D2D1B

■ 2D2D04

■ 2D2D20

■ 2D2D00

■ 2D2D24

■ 2D2D29

■ 2D2D2D

■ 2D2D32

■ 2D2D36

■ 2D2D3B

Harmonies

Analogous

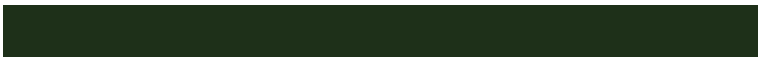
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



392912



2D2D12



1E3019

Triad

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



2D2D12



00313E



412232

Complementary

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



2D2D12



12122D

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.



35263E



2D2D12



062F44

Square

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



2D2D12



003232



232B44



442125

Rectangle

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



2D2D12



133120



232B44



3E2337

Sweetspot

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



2D2D12



3B3B30



2D1212



1F1F18



9E9E9E



1F1F1F

Same Dimension

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



2D2D12



3B3B10



202D12



171715



575700



D6D600

Inverse Universe

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



12122D



10103B



20122D



151517



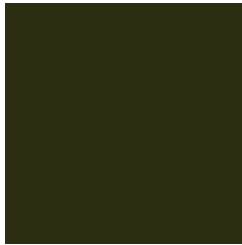
000057



0000D6

Previews

White Background



This preview shows how the Hex color 2D2D12 looks on a white background.

Color Contrast Check

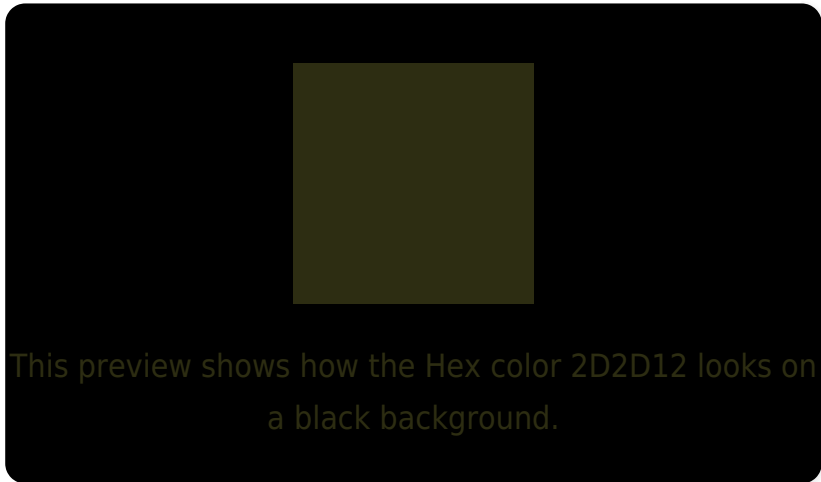
Large Text (above 18pt) WCAG AA ✓ Pass

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

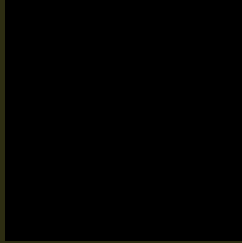
Any Text WCAG AA × Fail

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 2D2D12 Background



This preview shows how black text looks on a background with the Hex color 2D2D12.

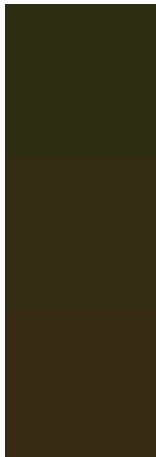


This preview shows how white text looks on a background with the Hex color 2D2D12.

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
2D2D12

Protanopia
312C12

Deuteranopia
362A13



Tritanopia
302A2E

Trichromacy



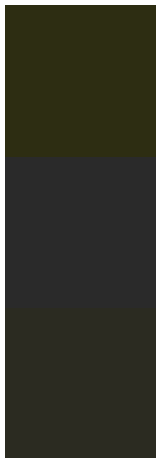
Original Color
2D2D12

Protanomaly
302C12

Deuteranomaly
332B13

Tritanomaly
2F2B24

Monochromacy



Original Color
2D2D12

Achromatopsia
2A2A2A

Achromatomaly
2B2B21

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D2D12 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 #2D2D12 looks like.

```
.text, #text, p{  
    color:#2D2D12  
}
```

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 #2D2D12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D2D12
}
```

Border

The CSS property to change the border of an element to Hex 2D2D12 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
#2D2D12 }
```

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

```
.border{ border-color:#2D2D12 }
```

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

Here you see how a box with a 4 pixel #2D2D12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D2D12; -webkit-box-shadow:4px 4px  
4px 4px #2D2D12; box-shadow:4px 4px 4px  
4px #2D2D12 }
```

Background

The CSS property to change the background color of an element to Hex 2D2D12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D2D12 }
```

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

```
.background{ background-color:#2D2D12 }
```

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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