

# Converting Colors

Hex(2D270A)

Have a look what the booklet for  
Hex(2D270A) contains.

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**Color**

**Hex(2D270A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D270A
RGB	45, 39, 10
RGB Percent	18%, 15%, 4%
CMY	0.8235, 0.8471, 0.9608
CMYK	0.00, 0.13, 0.78, 0.82
HSL	50°, 64%, 11%
HSV	50°, 78%, 18%
XYZ	1.8625, 2.0308, 0.5810
YIQ	37.4880, 12.8850, -7.7470

# Conversions

## Conversions Part 2

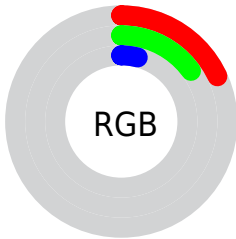
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 45, 10
Decimal	2959114
CIELab	15.65, -1.62, 18.67
CIELCh	16, 18.739, 94.945
Yxy	2.0308, 0.4163, 0.4539
Android (android.graphics.Color)	4281149194 (0xFF2D270A)
YUV	37.4880, -13.5516, 6.5880
Hunter-Lab	14.2508, -1.6099, 7.5583

# Details

The Hex color **2D270A** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0A102D**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **5C5436**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D2605**, and if you desaturate by 10%, it is **2D280F**.

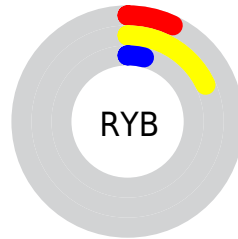
# Distribution



Red (18%)

Green (15%)

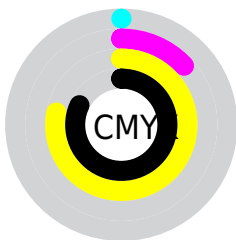
Blue (4%)



Red (7%)

Yellow (18%)

Blue (4%)

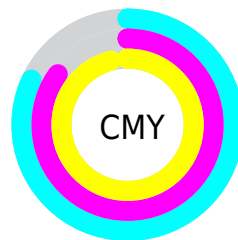


Cyan (0%)

Magenta (13%)

Yellow (78%)

Black (82%)



Cyan (82%)

Magenta (85%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D270A 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 2D270A by changing the saturation by 10% instead.



 2D270A

 2D270A

 FFFFEB

 171300

 5C5436

 000000

 756C4D

 8F8565

 AA9F7E

 C5BA98

 E1D6B3

 FEF2CE

 2D270A

 2D270A

■ 2D2605

■ 2D280F

■ 2D2501

■ 2D2913

■ 2D2500

■ 2D2917

■ 2D2A1C

■ 2D2B21

■ 2D2C25

■ 2D2C2A

■ 2D2D2E

■ 2D2E33

# Harmonies

## Analogous

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



38220E



2D270A



1F2B10

# Triad

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



2D270A



002D36



391E33

# Complementary

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



2D270A



0A102D

# 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.



2B233D



2D270A



002B3F

# Square

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



2D270A



002E29



142841



401C25

# Rectangle

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



2D270A



142C17



142841



351F36



# Sweetspot

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



2D270A



3B382D



2D0A10



1F1D16



9E9E9E



1F1F1F



# Same Dimension

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



2D270A



3B3104



222D0A



171715



574800



D6B100



# Inverse Universe

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



0A102D



040D3B



150A2D



151517



000F57

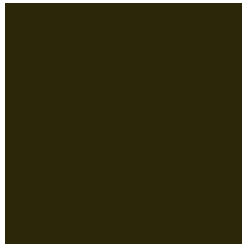


0025D6



# Previews

## White Background



This preview shows how the Hex color 2D270A looks on a white background.

## Color Contrast Check

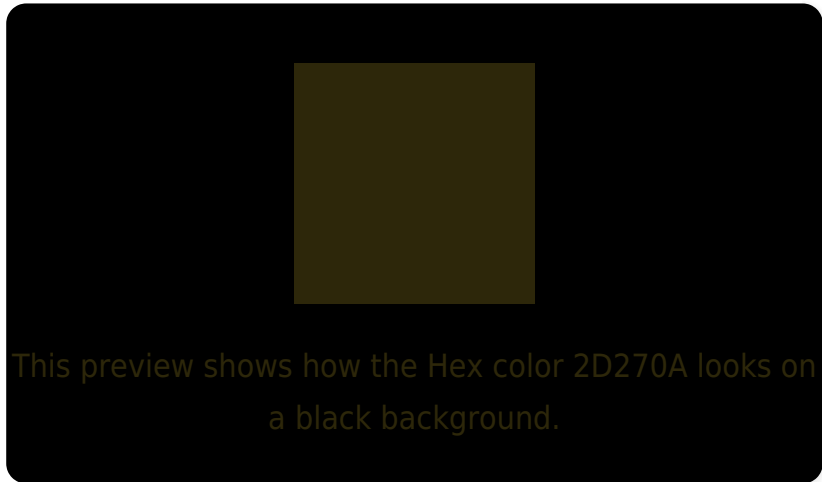
Large Text (above 18pt) WCAG AA ✓ Pass

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

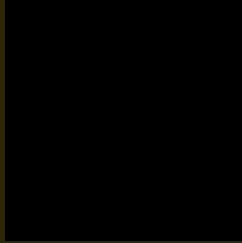
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D270A Background



This preview shows how black text looks on a background with the Hex color 2D270A.

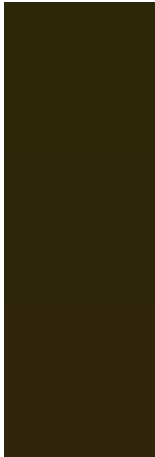


This preview shows how white text looks on a background with the Hex color 2D270A.

# 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**  
2D270A

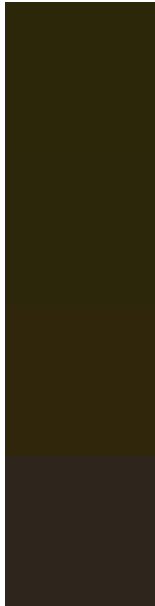
**Protanopia**  
2C270A

**Deuteranopia**  
31250B



**Tritanopia**  
2F2427

# Trichromacy



**Original Color**  
2D270A

**Protanomaly**  
2C270A

**Deuteranomaly**  
30260B

**Tritanomaly**  
2E251C

# Monochromacy



**Original Color**  
2D270A

**Achromatopsia**  
252525

**Achromatomaly**  
28261B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D270A 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 #2D270A looks like.

```
.text, #text, p{  
    color:#2D270A  
}
```

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 #2D270A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D270A
}
```

## Border

The CSS property to change the border of an element to Hex 2D270A 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
#2D270A }
```

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

```
.border{ border-color:#2D270A }
```

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

Here you see how a box with a 4 pixel #2D270A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D270A; -webkit-box-shadow:4px 4px  
4px 4px #2D270A; box-shadow:4px 4px 4px  
4px #2D270A }
```

# Background

The CSS property to change the background color of an element to Hex 2D270A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D270A }
```

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

```
.background{ background-color:#2D270A }
```

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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