

# Converting Colors

Hex(2D3001)

Have a look what the booklet for  
Hex(2D3001) contains.

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**Color**

**Hex(2D3001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D3001
RGB	45, 48, 1
RGB Percent	18%, 19%, 0%
CMY	0.8235, 0.8118, 0.9961
CMYK	0.06, 0.00, 0.98, 0.81
HSL	64°, 96%, 10%
HSV	64°, 98%, 19%
XYZ	2.1446, 2.6740, 0.4318
YIQ	41.7450, 13.2990, -15.2530

# Conversions

## Conversions Part 2

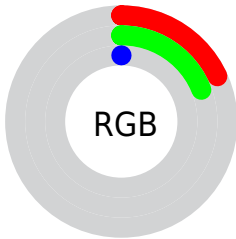
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 48, 4
Decimal	2961409
CIE <sub>Lab</sub>	18.69, -8.23, 26.04
CIE <sub>LCh</sub>	19, 27.313, 107.533
Yxy	2.6740, 0.4085, 0.5093
Android (android.graphics.Color)	4281151489 (0xFF2D3001)
YUV	41.7450, -20.0873, 2.8546
Hunter-Lab	16.3523, -5.2062, 9.8810

# Details

The Hex color **2D3001** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **040130**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **5C5E30**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D3000**, and if you desaturate by 10%, it is **2D3006**.

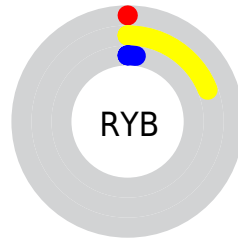
# Distribution



Red (18%)

Green (19%)

Blue (0%)



Red (0%)

Yellow (19%)

Blue (2%)

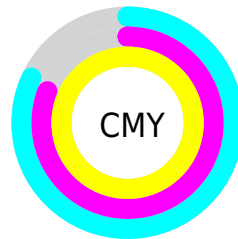


Cyan (6%)

Magenta (0%)

Yellow (98%)

Black (81%)



Cyan (82%)

Magenta (81%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D3001 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 2D3001 by changing the saturation by 10% instead.



 2D3001

 2D3001

 FFFFE4

 171B00

 5C5E30

 000000

 757747

 90905F

 AAAB78

 C6C692

 E2E2AD

 FFFEC8

 2D3001

 2D3001

■ 2D3000

■ 2D3006

■ 2E300B

■ 2E300F

■ 2E3014

■ 2F3019

■ 2F301E

■ 2F3023

■ 2F3027

■ 30302C

# Harmonies

## Analogous

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



3F2A01



2D3001



153411

# Triad

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



2D3001



00364A



4D1C37

# Complementary

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



2D3001



040130

# 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.



3D2348



2D3001



003254

# Square

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



2D3001



003739



1E2C53



511B23

# Rectangle

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



2D3001



00361E



1E2C53



491E3D



# Sweetspot

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



2D3001



3C3D2B



300301



1E1F14



9E9E9E



1F1F1F



# Same Dimension

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



2D3001



393D00



163001



171715



515700



C9D600



# Inverse Universe

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



040130



04003D



1B0130



151517



060057



0E00D6



# Previews

## White Background



This preview shows how the Hex color 2D3001 looks on a white background.

## Color Contrast Check

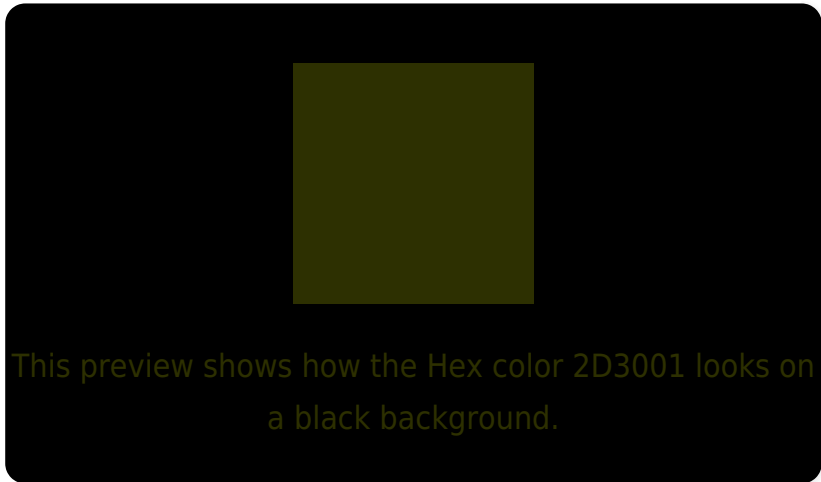
Large Text (above 18pt) WCAG AA ✓ Pass

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

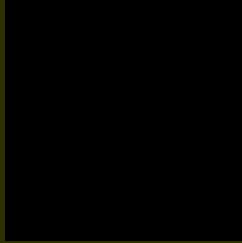
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D3001 Background



This preview shows how black text looks on a background with the Hex color 2D3001.



This preview shows how white text looks on a background with the Hex color 2D3001.

# 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**  
2D3001

**Protanopia**  
342E00

**Deuteranopia**  
3A2B08



**Tritanopia**  
302D30

# Trichromacy



**Original Color**  
2D3001

**Protanomaly**  
312F00

**Deuteranomaly**  
352D05

**Tritanomaly**  
2F2E1F

# Monochromacy



**Original Color**  
2D3001

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
2B2C1B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D3001 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 #2D3001 looks like.

```
.text, #text, p{  
    color:#2D3001  
}
```

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 #2D3001 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D3001
}
```

## Border

The CSS property to change the border of an element to Hex 2D3001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

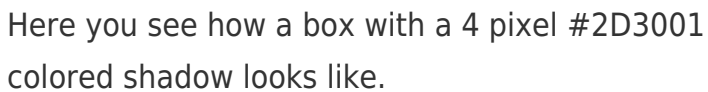
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D3001 }
```

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

```
.border{ border-color:#2D3001 }
```

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



Here you see how a box with a 4 pixel #2D3001 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D3001; -webkit-box-shadow:4px 4px  
4px 4px #2D3001; box-shadow:4px 4px 4px  
4px #2D3001 }
```

# Background

The CSS property to change the background color of an element to Hex 2D3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D3001 }
```

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

```
.background{ background-color:#2D3001 }
```

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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