

# Converting Colors

Hex(3D3029)

Have a look what the booklet for  
Hex(3D3029) contains.

<b>Hex(3D3029)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(3D3029)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D3029
RGB	61, 48, 41
RGB Percent	24%, 19%, 16%
CMY	0.7608, 0.8118, 0.8392
CMYK	0.00, 0.21, 0.33, 0.76
HSL	21°, 20%, 20%
HSV	21°, 33%, 24%
XYZ	3.3817, 3.2661, 2.5500
YIQ	51.0890, 9.9950, 0.5790

# Conversions

## Conversions Part 2

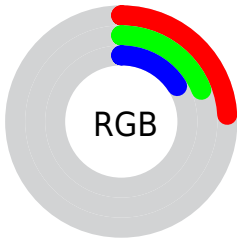
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 52, 41
Decimal	4010025
CIELab	21.08, 4.62, 6.71
CIElCh	21, 8.148, 55.423
Yxy	3.2661, 0.3677, 0.3551
Android (android.graphics.Color)	4282200105 (0xFF3D3029)
YUV	51.0890, -4.9739, 8.6919
Hunter-Lab	18.0724, 1.7739, 4.2848

# Details

The Hex color **3D3029** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29363D**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **6D5E56**, and **110000** is the 20% darker color. If you saturate the color by 10%, you get **3D2C23**, and if you desaturate by 10%, it is **3D342F**.

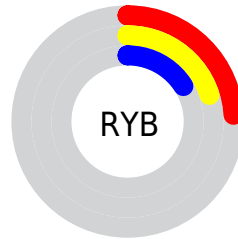
# Distribution



Red (24%)

Green (19%)

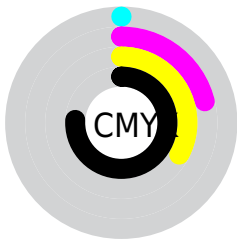
Blue (16%)



Red (24%)

Yellow (20%)

Blue (16%)

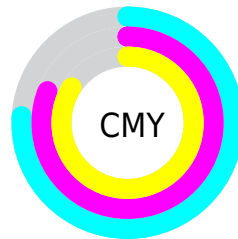


Cyan (0%)

Magenta (21%)

Yellow (33%)

Black (76%)



Cyan (76%)

Magenta (81%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D3029 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 3D3029 by changing the saturation by 10% instead.



■ 3D3029

■ 3D3029

FFFFFF

■ 271B15

■ 6D5E56

■ 110000

■ 86776E

■ 000000

■ A19088

■ BCABA2

■ D8C6BD

■ F4E2D9

■ FFFFF5

■ 3D3029

■ 3D3029

■ 3D2C23

■ 3D342F

■ 3D281D

■ 3D3835

■ 3D2417

■ 3D3C3B

■ 3D2011

■ 3D4041

■ 3D1C0B

■ 3D4448

■ 3D1804

■ 3D484E

■ 3D1500

■ 3D4C54

■ 3D505A

■ 3D5460

# Harmonies

## Analogous

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



3F2F2E



3D3029



383227

# Triad

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



3D3029



253631



33313D

# Complementary

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



3D3029



29363D

# 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.



2B333E



3D3029



223638

# Square

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



3D3029



2B352C



24353C



3A303A

# Rectangle

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



3D3029



343327



24353C



30323E



# Sweetspot

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



3D3029



4F4A47



3D2936



292624



A8A8A8



292929



# Same Dimension

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



3D3029



4F3B30



3D3A29



1F1D1C



5E2100



DE4E00



# Inverse Universe

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



29363D



30444F



292C3D



1C1E1F



003D5E

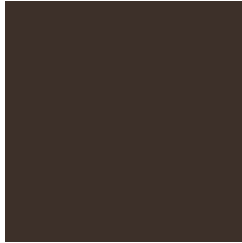


0090DE



# Previews

## White Background



This preview shows how the Hex color 3D3029 looks on a white background.

## Color Contrast Check

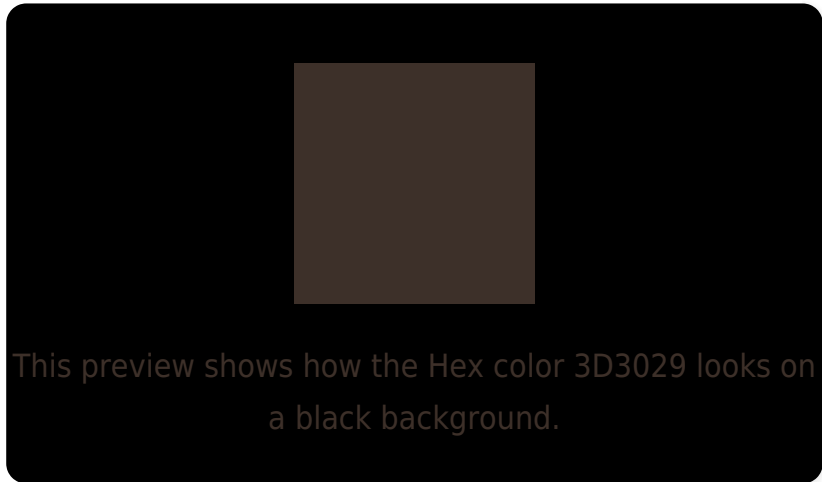
Large Text (above 18pt) WCAG AA ✓ Pass

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

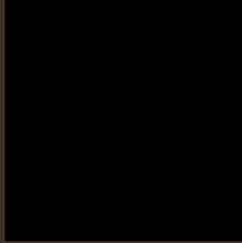
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D3029 Background



This preview shows how black text looks on a background with the Hex color 3D3029.

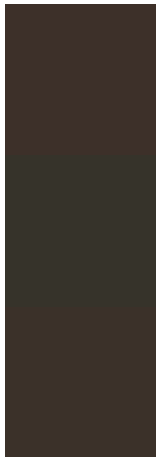


This preview shows how white text looks on a background with the Hex color 3D3029.

# 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**  
3D3029

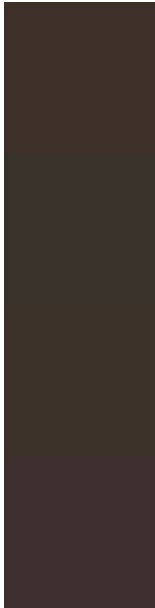
**Protanopia**  
36332A

**Deuteranopia**  
3B3129



**Tritanopia**  
3E2F32

# Trichromacy



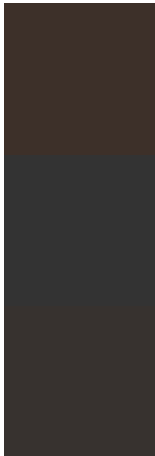
**Original Color**  
3D3029

**Protanomaly**  
39322A

**Deuteranomaly**  
3C3129

**Tritanomaly**  
3E2F2F

# Monochromacy



**Original Color**  
3D3029

**Achromatopsia**  
333333

**Achromatomaly**  
37322F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D3029 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 #3D3029 looks like.

```
.text, #text, p{  
    color:#3D3029  
}
```

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 #3D3029 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D3029
}
```

## Border

The CSS property to change the border of an element to Hex 3D3029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

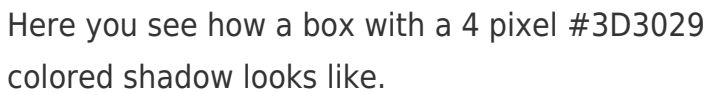
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3D3029 }
```

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

```
.border{ border-color:#3D3029 }
```

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



Here you see how a box with a 4 pixel #3D3029 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D3029; -webkit-box-shadow:4px 4px  
4px 4px #3D3029; box-shadow:4px 4px 4px  
4px #3D3029 }
```

# Background

The CSS property to change the background color of an element to Hex 3D3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D3029 }
```

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

```
.background{ background-color:#3D3029 }
```

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