

# Converting Colors

Hex(3D0D16)

Have a look what the booklet for  
Hex(3D0D16) contains.

<b>Hex(3D0D16)</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(3D0D16)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D0D16
RGB	61, 13, 22
RGB Percent	24%, 5%, 9%
CMY	0.7608, 0.9490, 0.9137
CMYK	0.00, 0.79, 0.64, 0.76
HSL	349°, 65%, 15%
HSV	349°, 79%, 24%
XYZ	2.2132, 1.3379, 0.9006
YIQ	28.3780, 25.7190, 12.9750

# Conversions

## Conversions Part 2

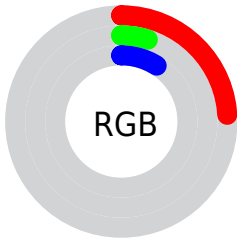
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 13, 22
Decimal	4001046
CIE <sub>Lab</sub>	11.54, 24.08, 7.01
CIE <sub>LCh</sub>	12, 25.081, 16.231
Yxy	1.3379, 0.4972, 0.3005
Android (android.graphics.Color)	4282191126 (0xFF3D0D16)
YUV	28.3780, -3.1444, 28.6095
Hunter-Lab	11.5667, 13.9133, 3.4800

# Details

The Hex color **3D0D16** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **0D3D34**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **703B40**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **3D0711**, and if you desaturate by 10%, it is **3D131B**.

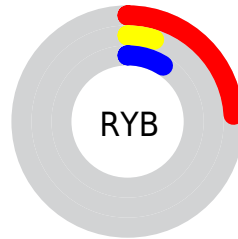
# Distribution



 Red (24%)

 Green (5%)

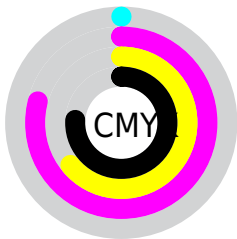
 Blue (9%)



 Red (24%)

 Yellow (5%)

 Blue (9%)

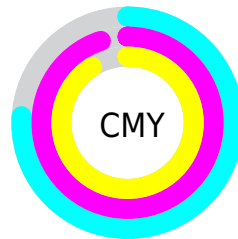


 Cyan (0%)

 Magenta (79%)

 Yellow (64%)

 Black (76%)



 Cyan (76%)

 Magenta (95%)

 Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D0D16 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 3D0D16 by changing the saturation by 10% instead.



 3D0D16

 3D0D16

 FFF3F7

 280000

 703B40

 000000

 8A5257

 A66B70

 C18589

 DE9FA3

 FBBABF

 FFD6DA

 3D0D16

 3D0D16

■ 3D0711

■ 3D131B

■ 3D010C

■ 3D1920

■ 3D000B

■ 3D1F25

■ 3D252A

■ 3D2C2F

■ 3D3234

■ 3D3839

■ 3D3E3E

■ 3D4443

# Harmonies

## Analogous

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



390E27



3D0D16



391300

# Triad

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



3D0D16



0C2400



002340

# Complementary

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



3D0D16



0D3D34

# 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.



002637



3D0D16



002616

# Square

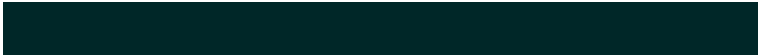
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



3D0D16



1F2100



002728



0C1D40

# Rectangle

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



3D0D16



321800



002728



00243E



# Sweetspot

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



3D0D16



4F3C40



330D3D



291D1F



A8A8A8



292929



# Same Dimension

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



3D0D16



4F0513



3D1B0D



1F1C1C



5E0012



DE002A



# Inverse Universe

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



3D0D16



4F0513



0D2F3D



1F1C1C



5E0012

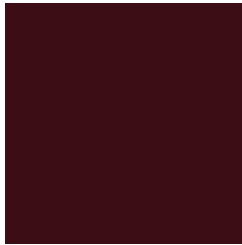


DE002A



# Previews

## White Background



This preview shows how the Hex color 3D0D16 looks on a white background.

## Color Contrast Check

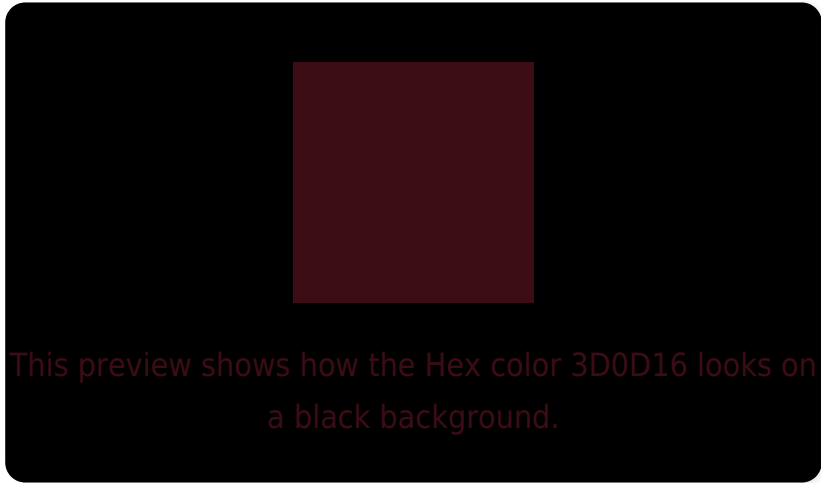
Large Text (above 18pt) WCAG AA ✓ Pass

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

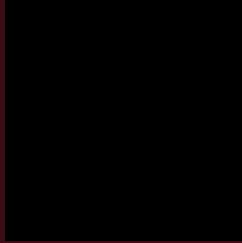
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D0D16 Background



This preview shows how black text looks on a background with the Hex color 3D0D16.

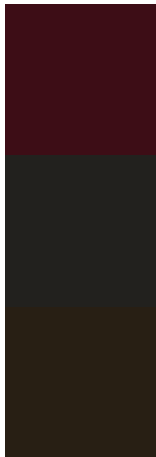


This preview shows how white text looks on a background with the Hex color 3D0D16.

# 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



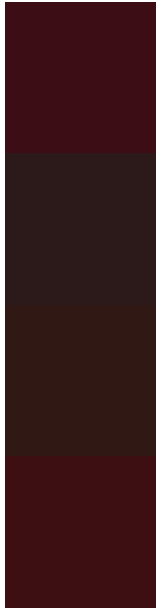
**Original Color**  
3D0D16

**Protanopia**  
22211E

**Deuteranopia**  
281F14



# Trichromacy



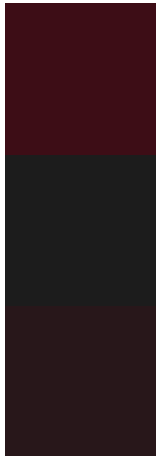
**Original Color**  
3D0D16

**Protanomaly**  
2C1A1B

**Deuteranomaly**  
301815

**Tritanomaly**  
3D0E12

# Monochromacy



**Original Color**  
3D0D16

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
28171A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D0D16 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 #3D0D16 looks like.

```
.text, #text, p{  
    color:#3D0D16  
}
```

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 #3D0D16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D0D16
}
```

## Border

The CSS property to change the border of an element to Hex 3D0D16 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".

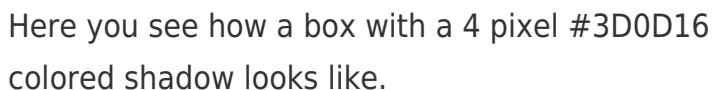
```
.border, #border, table{ border:4px solid
#3D0D16 }
```

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

```
.border{ border-color:#3D0D16 }
```

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

Here you see how a box with a 4 pixel #3D0D16 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #3D0D16 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D0D16; -webkit-box-shadow:4px 4px  
4px 4px #3D0D16; box-shadow:4px 4px 4px  
4px #3D0D16 }
```

# Background

The CSS property to change the background color of an element to Hex 3D0D16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D0D16 }
```

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

```
.background{ background-color:#3D0D16 }
```

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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