

# Converting Colors

Hex(3D110A)

Have a look what the booklet for  
Hex(3D110A) contains.

<b>Hex(3D110A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(3D110A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D110A
RGB	61, 17, 10
RGB Percent	24%, 7%, 4%
CMY	0.7608, 0.9333, 0.9608
CMYK	0.00, 0.72, 0.84, 0.76
HSL	8°, 72%, 14%
HSV	8°, 84%, 24%
XYZ	2.1797, 1.4149, 0.4454
YIQ	29.3580, 28.4710, 7.1510

# Conversions

## Conversions Part 2

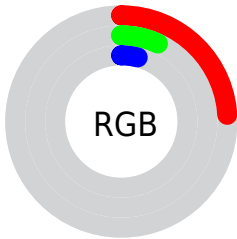
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 18, 10
Decimal	4002058
CIE <sub>Lab</sub>	12.06, 21.12, 14.42
CIE <sub>LCh</sub>	12, 25.573, 34.316
Yxy	1.4149, 0.5395, 0.3502
Android (android.graphics.Color)	4282192138 (0xFF3D110A)
YUV	29.3580, -9.5435, 27.7500
Hunter-Lab	11.8950, 11.8930, 6.1065




# Details

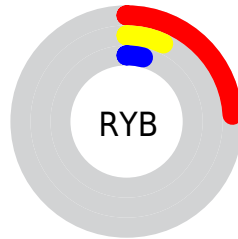
The Hex color **3D110A** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **0A363D**, and the grayscale version is **1D1D1D**.




A 20% lighter version of the original color is **703E36**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **3D0C04**, and if you desaturate by 10%, it is **3D1610**.

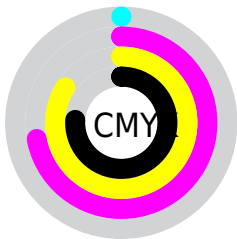
# Distribution







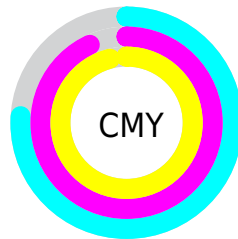
-  Red (24%)
-  Green (7%)
-  Blue (4%)






-  Red (24%)
-  Yellow (7%)
-  Blue (4%)



-  Cyan (0%)
-  Magenta (72%)
-  Yellow (84%)
-  Black (76%)



-  Cyan (76%)
-  Magenta (93%)
-  Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D110A 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 3D110A by changing the saturation by 10% instead.



 3D110A

 3D110A

 FFF6EA

 270000

 703E36

 000000

 8B554D

 A66E65

 C2887D

 DFA297

 FCBDB2

 FFD9CE

 3D110A

 3D110A

■ 3D0C04

■ 3D1610

■ 3D0800

■ 3D1C16

■ 3D211C

■ 3D2622

■ 3D2B29

■ 3D312F

■ 3D3635

■ 3D3B3B

■ 3D4041

# Harmonies

## Analogous

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



3E0D1E



3D110A



341900

# Triad

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



3D110A



00270F



002143

# Complementary

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



3D110A



0A363D

# 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.



00253F



3D110A



002822

# Square

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



3D110A



162400



002733



231A3D

# Rectangle

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



3D110A



2B1E00



002733



002343



# Sweetspot

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



3D110A



4F3E3B



3D0A36



291E1D



A8A8A8



292929



# Same Dimension

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



3D110A



4F0B00



3D2A0A



1F1C1C



5E0D00



DE1E00



# Inverse Universe

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



0A363D



00444F



0A1D3D



1C1E1F



00515E

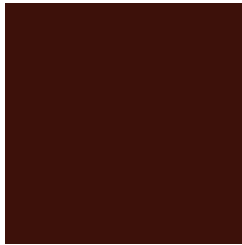


00BFDE



# Previews

## White Background



This preview shows how the Hex color 3D110A looks on a white background.

## Color Contrast Check

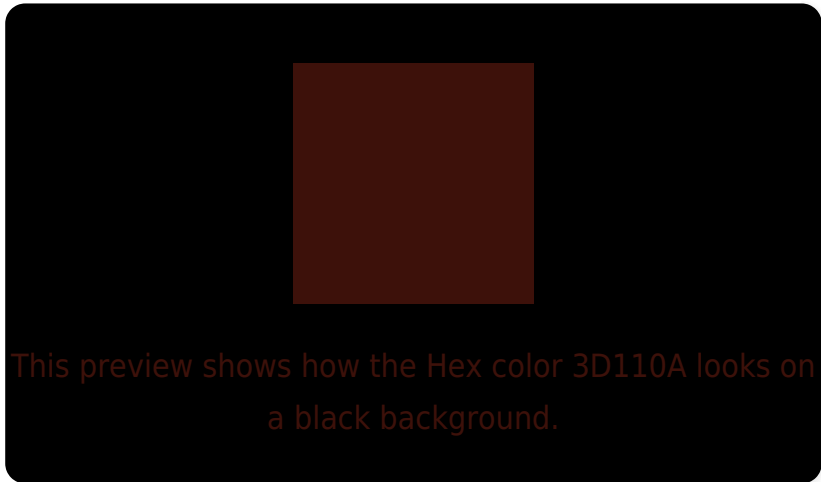
Large Text (above 18pt) WCAG AA ✓ Pass

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 3D110A Background



This preview shows how black text looks on a background with the Hex color 3D110A.

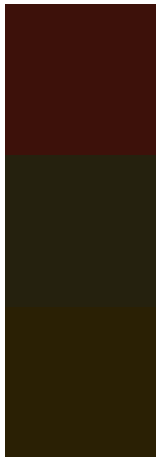


This preview shows how white text looks on a background with the Hex color 3D110A.

# 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**  
3D110A

**Protanopia**  
25210E

**Deuteranopia**  
2A2004



**Tritanopia**  
3D1011

# Trichromacy



**Original Color**

3D110A

**Protanomaly**

2E1B0D

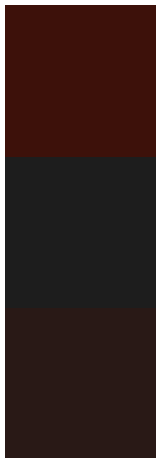
**Deuteranomaly**

311B06

**Tritanomaly**

3D100E

# Monochromacy



**Original Color**

3D110A

**Achromatopsia**

1D1D1D

**Achromatomaly**

291916

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D110A 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 #3D110A looks like.

```
.text, #text, p{  
    color:#3D110A  
}
```

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 #3D110A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D110A
}
```

## Border

The CSS property to change the border of an element to Hex 3D110A 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
#3D110A }
```

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

```
.border{ border-color:#3D110A }
```

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

Here you see how a box with a 4 pixel #3D110A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D110A; -webkit-box-shadow:4px 4px  
4px 4px #3D110A; box-shadow:4px 4px 4px  
4px #3D110A }
```

# Background

The CSS property to change the background color of an element to Hex 3D110A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D110A }
```

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

```
.background{ background-color:#3D110A }
```

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