

# Converting Colors

Hex(3B320D)

Have a look what the booklet for  
Hex(3B320D) contains.

<b>Hex(3B320D)</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(3B320D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B320D
RGB	59, 50, 13
RGB Percent	23%, 20%, 5%
CMY	0.7686, 0.8039, 0.9490
CMYK	0.00, 0.15, 0.78, 0.77
HSL	48°, 64%, 14%
HSV	48°, 78%, 23%
XYZ	3.0169, 3.2401, 0.8472
YIQ	48.4730, 17.2410, -9.5990

# Conversions

## Conversions Part 2

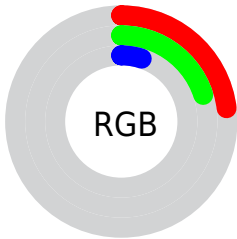
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 59, 13
Decimal	3879437
CIE Lab	20.98, -1.09, 24.06
CIE LCh	21, 24.081, 92.593
Yxy	3.2401, 0.4247, 0.4561
Android (android.graphics.Color)	4282069517 (0xFF3B320D)
YUV	48.4730, -17.4882, 9.2322
Hunter-Lab	18.0002, -1.5833, 9.8097

# Details

The Hex color **3B320D** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0D163B**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **6C6039**, and **030400** is the 20% darker color. If you saturate the color by 10%, you get **3B3107**, and if you desaturate by 10%, it is **3B3313**.

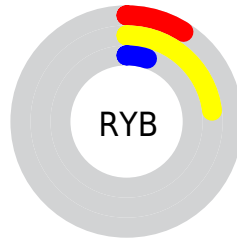
# Distribution



 Red (23%)

 Green (20%)

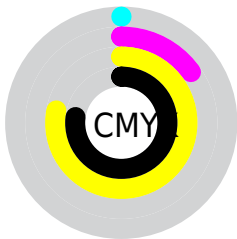
 Blue (5%)



 Red (9%)

 Yellow (23%)

 Blue (5%)

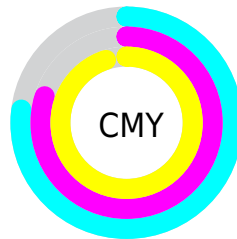


 Cyan (0%)

 Magenta (15%)

 Yellow (78%)

 Black (77%)



 Cyan (77%)

 Magenta (80%)

 Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B320D 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 3B320D by changing the saturation by 10% instead.





3B320D



3B320D



FFFFFFE



251D00



6C6039



030400



867950



000000



A19269



BCAD82



D8C89C



F5E4B7



FFFFD3



3B320D



3B320D

■ 3B3107

■ 3B3313

■ 3B3001

■ 3B3419

■ 3B2F00

■ 3B351F

■ 3B3725

■ 3B382B

■ 3B3930

■ 3B3A36

■ 3B3B3C

■ 3B3C42

# Harmonies

## Analogous

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



492C13



3B320D



293713

# Triad

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



3B320D



003B45



492643

# Complementary

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



3B320D



0D163B

# 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.



352D50



3B320D



003852

# Square

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



3B320D



003B33



123456



532332

# Rectangle

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



3B320D



1A391C



123456



442848



# Sweetspot

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



3B320D



4D493B



3B0D16



26241C



A6A6A6



262626



# Same Dimension

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



3B320D



4D3E05



2D3B0D



1F1E1C



5E4C00



DEB200



# Inverse Universe

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



0D163B



05134D



1B0D3B



1C1C1F



00125E



002BDE



# Previews

## White Background



This preview shows how the Hex color 3B320D looks on a white background.

## Color Contrast Check

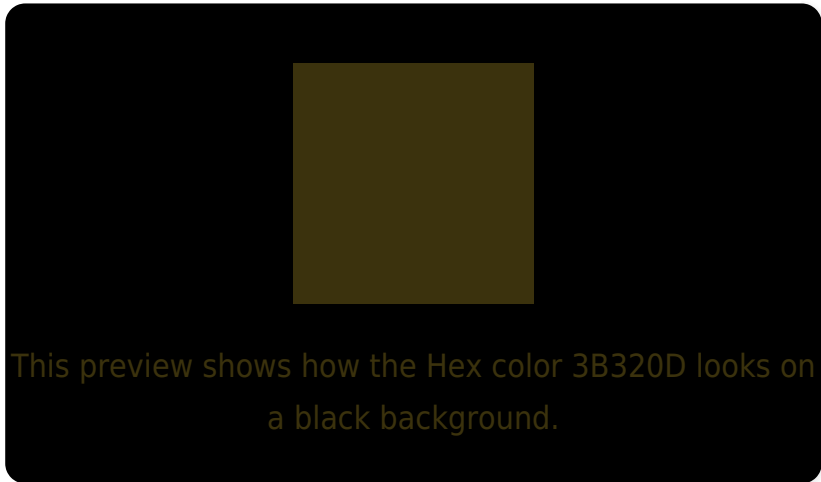
Large Text (above 18pt) WCAG AA ✓ Pass

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

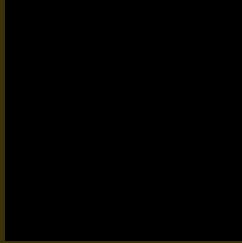
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B320D Background



This preview shows how black text looks on a background with the Hex color 3B320D.



This preview shows how white text looks on a background with the Hex color 3B320D.

# 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**  
3B320D

**Protanopia**  
39330D

**Deuteranopia**  
40300E



**Tritanopia**  
3E2F32

# Trichromacy



**Original Color**  
3B320D

**Protanomaly**  
3A330D

**Deuteranomaly**  
3E310E

**Tritanomaly**  
3D3025

# Monochromacy



**Original Color**  
3B320D

**Achromatopsia**  
303030

**Achromatomaly**  
343123

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B320D 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 #3B320D looks like.

```
.text, #text, p{  
    color:#3B320D  
}
```

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 #3B320D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B320D
}
```

## Border

The CSS property to change the border of an element to Hex 3B320D 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
#3B320D }
```

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

```
.border{ border-color:#3B320D }
```

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

Here you see how a box with a 4 pixel #3B320D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B320D; -webkit-box-shadow:4px 4px  
4px 4px #3B320D; box-shadow:4px 4px 4px  
4px #3B320D }
```

# Background

The CSS property to change the background color of an element to Hex 3B320D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B320D }
```

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

```
.background{ background-color:#3B320D }
```

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