

# Converting Colors

Hex(2B3806)

Have a look what the booklet for  
Hex(2B3806) contains.

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**Color**

**Hex(2B3806)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B3806
RGB	43, 56, 6
RGB Percent	17%, 22%, 2%
CMY	0.8314, 0.7804, 0.9765
CMYK	0.23, 0.00, 0.89, 0.78
HSL	76°, 81%, 12%
HSV	76°, 89%, 22%
XYZ	2.4433, 3.3551, 0.6911
YIQ	46.4130, 8.3020, -18.3060

# Conversions

## Conversions Part 2

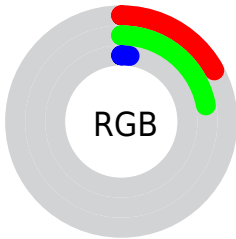
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 56, 19
Decimal	2832390
CIELab	21.41, -13.70, 27.03
CIELCh	21, 30.307, 116.873
Yxy	3.3551, 0.3765, 0.5170
Android (android.graphics.Color)	4281022470 (0xFF2B3806)
YUV	46.4130, -19.9236, -2.9932
Hunter-Lab	18.3169, -8.2443, 10.5847

# Details

The Hex color **2B3806** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **130638**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **5A6734**, and **000A00** is the 20% darker color. If you saturate the color by 10%, you get **2A3800**, and if you desaturate by 10%, it is **2C380C**.

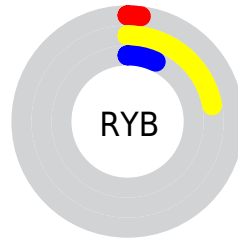
# Distribution



Red (17%)

Green (22%)

Blue (2%)



Red (2%)

Yellow (22%)

Blue (7%)

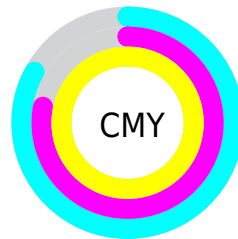


Cyan (23%)

Magenta (0%)

Yellow (89%)

Black (78%)



Cyan (83%)

Magenta (78%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B3806 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 2B3806 by changing the saturation by 10% instead.



 2B3806

 2B3806

 FFFFEA

 162200

 5A6734

 000A00

 74804B

 000000

 8E9A64

 A8B57D

 C4D097

 E0EDB2

 FDFfce

 2B3806

 2B3806

■ 2A3800

■ 2C380C

■ 293800

■ 2E3811

■ 2F3817

■ 31381C

■ 323822

■ 343828

■ 35382D

■ 373833

■ 383838

# Harmonies

## Analogous

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



413100



2B3806



093C1A

# Triad

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



2B3806



003C59



5A1E37

# Complementary

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



2B3806



130638

# 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.



4C244C



2B3806



003760

# Square

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



2B3806



003E47



2F2E5B



5B2021

# Rectangle

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



2B3806



003D28



2F2E5B



571F3E



# Sweetspot

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



2B3806



454A36



381206



23261A



A6A6A6



262626



# Same Dimension

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



2B3806



374A00



123806



1B1C19



445C00



A2DB00



# Inverse Universe

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



130638



13004A



2C0638



1A191C



18005C

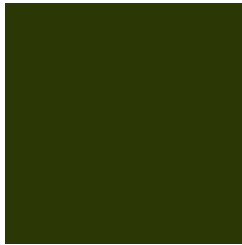


3900DB



# Previews

## White Background



This preview shows how the Hex color 2B3806 looks on a white background.

## Color Contrast Check

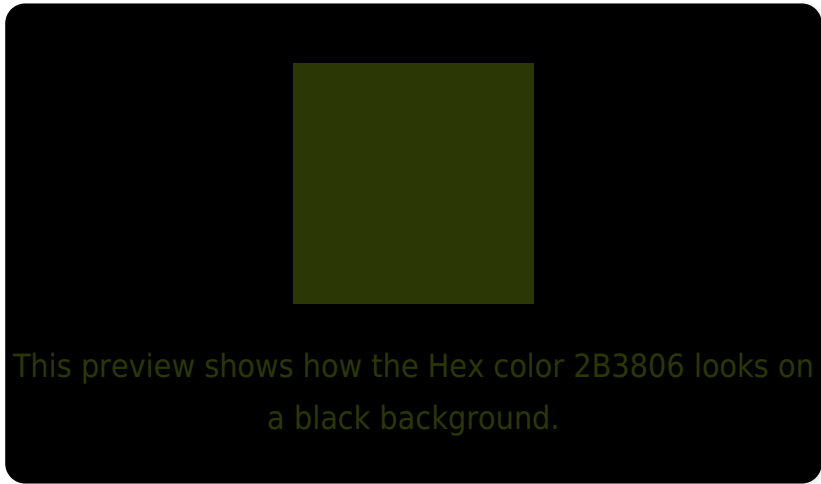
Large Text (above 18pt) WCAG AA ✓ Pass

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

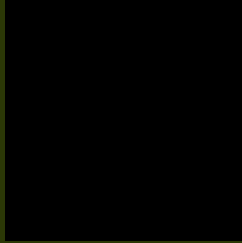
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B3806 Background



This preview shows how black text looks on a background with the Hex color 2B3806.



This preview shows how white text looks on a background with the Hex color 2B3806.

# 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](#).

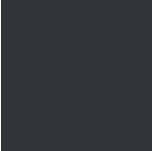
## Dichromacy



**Original Color**  
2B3806

**Protanopia**  
3A3404

**Deuteranopia**  
41310C



**Tritanopia**  
303438

# Trichromacy



**Original Color**  
2B3806

**Protanomaly**  
353505

**Deuteranomaly**  
39340A

**Tritanomaly**  
2E3526

# Monochromacy



**Original Color**  
2B3806

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
2D321F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B3806 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 #2B3806 looks like.

```
.text, #text, p{  
    color:#2B3806  
}
```

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 #2B3806 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B3806  
}
```

## Border

The CSS property to change the border of an element to Hex 2B3806 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".

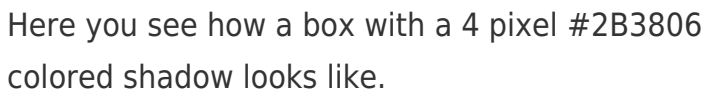
```
.border, #border, table{ border:4px solid  
#2B3806 }
```

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

```
.border{ border-color:#2B3806 }
```

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

Here you see how a box with a 4 pixel #2B3806 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B3806; -webkit-box-shadow:4px 4px  
4px 4px #2B3806; box-shadow:4px 4px 4px  
4px #2B3806 }
```

# Background

The CSS property to change the background color of an element to Hex 2B3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B3806 }
```

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

```
.background{ background-color:#2B3806 }
```

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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