

Converting Colors

Hex(2B3700)

Have a look what the booklet for
Hex(2B3700) contains.

Hex(2B3700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2B3700)

Conversions

Conversions Part 1

Format	Color
Hex	2B3700
RGB	43, 55, 0
RGB Percent	17%, 22%, 0%
CMY	0.8314, 0.7843, 1.0000
CMYK	0.22, 0.00, 1.00, 0.78
HSL	73°, 100%, 11%
HSV	73°, 100%, 22%
XYZ	2.3624, 3.2460, 0.5020
YIQ	45.1420, 10.5030, -19.6490

Conversions

Conversions Part 2

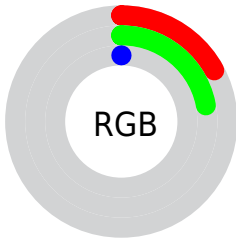
Format	Color
RYB	0, 55, 12
Decimal	2832128
CIELab	21.00, -13.58, 29.03
CIELCh	21, 32.050, 115.065
Yxy	3.2460, 0.3866, 0.5312
Android (android.graphics.Color)	4281022208 (0xFF2B3700)
YUV	45.1420, -22.2550, -1.8785
Hunter-Lab	18.0166, -8.1229, 10.9595

Details

The Hex color **2B3700** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0C0037**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **5A662F**, and **000700** is the 20% darker color. If you saturate the color by 10%, you get **2B3700**, and if you desaturate by 10%, it is **2C3705**.

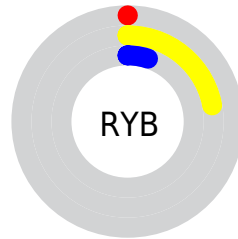
Distribution



Red (17%)

Green (22%)

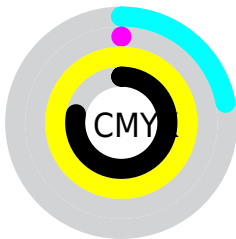
Blue (0%)



Red (0%)

Yellow (22%)

Blue (5%)

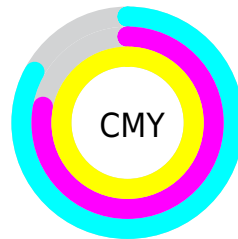


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (78%)



Cyan (83%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2B3700 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 2B3700 by changing the saturation by 10% instead.

 2B3700

 2B3700

 FFFFE5

 152200

 5A662F

 000700

 747F47

 000000

 8E995F

 A9B378

 C4CF92

 E0EBAD

 FDFFC9

 2B3700

■ 2C3705

■ 2D370B

■ 2F3711

■ 303716

■ 31371C

■ 323721

■ 333727

■ 35372C

■ 363732

Harmonies

Analogous

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



423000



2B3700



073B16

Triad

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



2B3700



003B59



5A1B37

Complementary

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



2B3700



0C0037

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.



4B234E



2B3700



003662

Square

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



2B3700



003D46



2A2E5D



5C1D20

Rectangle

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



2B3700



003D25



2A2E5D



571D3F

Sweetspot

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



2B3700



434732



370C00



212417



A3A3A3



242424

Same Dimension

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



2B3700



384700



103700



1B1C19



485C00



ABDB00

Inverse Universe

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



0C0037



100047



270037



1A191C



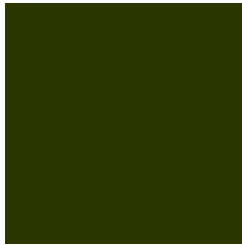
14005C



3000DB

Previews

White Background



This preview shows how the Hex color 2B3700 looks on a white background.

Color Contrast Check

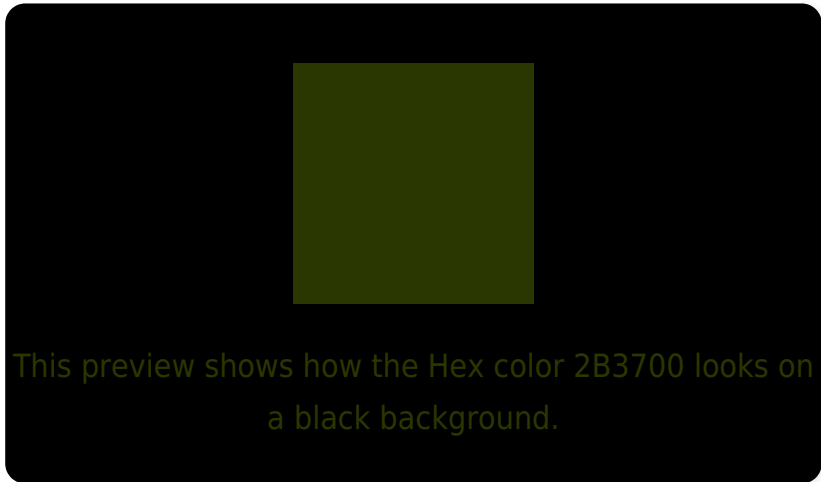
Large Text (above 18pt) WCAG AA ✓ Pass

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

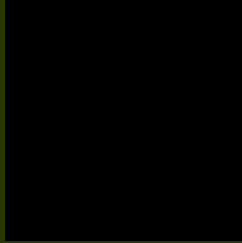
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

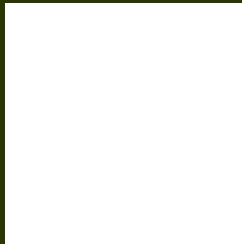
Any Text WCAG AAA × Fail

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

Hex 2B3700 Background



This preview shows how black text looks on a background with the Hex color 2B3700.



This preview shows how white text looks on a background with the Hex color 2B3700.

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
2B3700

Protanopia
393300

Deuteranopia
40300A



Tritanopia
303337

Trichromacy



Original Color
2B3700

Protanomaly
343400

Deuteranomaly
383306

Tritanomaly
2E3423

Monochromacy



Original Color
2B3700

Achromatopsia
2D2D2D

Achromatomaly
2C311D

CSS Examples

Text

The CSS property to change the color of the text to Hex 2B3700 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 #2B3700 looks like.

```
.text, #text, p{  
    color:#2B3700  
}
```

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 #2B3700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B3700
}
```

Border

The CSS property to change the border of an element to Hex 2B3700 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
#2B3700 }
```

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

```
.border{ border-color:#2B3700 }
```

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

Here you see how a box with a 4 pixel #2B3700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B3700; -webkit-box-shadow:4px 4px  
4px 4px #2B3700; box-shadow:4px 4px 4px  
4px #2B3700 }
```

Background

The CSS property to change the background color of an element to Hex 2B3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B3700 }
```

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

```
.background{ background-color:#2B3700 }
```

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