

# Converting Colors

Hex(2E3406)

Have a look what the booklet for  
Hex(2E3406) contains.

<b>Hex(2E3406)</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(2E3406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E3406
RGB	46, 52, 6
RGB Percent	18%, 20%, 2%
CMY	0.8196, 0.7961, 0.9765
CMYK	0.12, 0.00, 0.88, 0.80
HSL	68°, 79%, 11%
HSV	68°, 88%, 20%
XYZ	2.3876, 3.0500, 0.6352
YIQ	44.9620, 11.1900, -15.5780

# Conversions

## Conversions Part 2

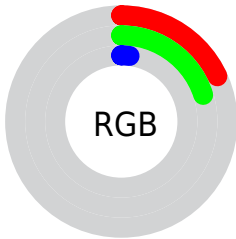
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 52, 12
Decimal	3027974
CIELab	20.24, -9.79, 25.82
CIELCh	20, 27.609, 110.758
Yxy	3.0500, 0.3932, 0.5022
Android (android.graphics.Color)	4281218054 (0xFF2E3406)
YUV	44.9620, -19.2083, 0.9103
Hunter-Lab	17.4642, -6.1591, 10.0686

# Details

The Hex color **2E3406** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0C0634**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **5D6234**, and **000200** is the 20% darker color. If you saturate the color by 10%, you get **2D3401**, and if you desaturate by 10%, it is **2F340B**.

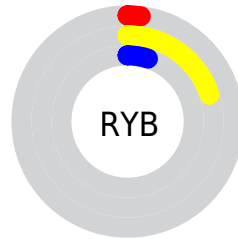
# Distribution



Red (18%)

Green (20%)

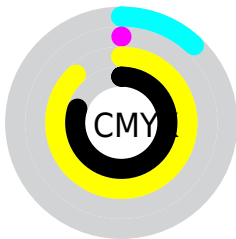
Blue (2%)



Red (2%)

Yellow (20%)

Blue (5%)

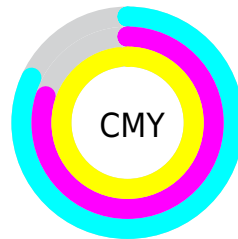


Cyan (12%)

Magenta (0%)

Yellow (88%)

Black (80%)



Cyan (82%)

Magenta (80%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E3406 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 2E3406 by changing the saturation by 10% instead.



 2E3406

 2E3406

 FFFFE9


 181F00

 5D6234

 000200

 777B4B

 000000

 919563

 ACB07C

 C7CB97

 E4E7B1

 FFFFCD

 2E3406

 2E3406

■ 2D3401

■ 2F340B

■ 2D3400

■ 2F3410

■ 303416

■ 31341B

■ 313420

■ 323425

■ 33342A

■ 333430

■ 343435

# Harmonies

## Analogous

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



412E04



2E3406



153816

# Triad

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



2E3406



003950



521F38

# Complementary

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



2E3406



0C0634

# 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.



43254B



2E3406



003559

# Square

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



2E3406



003A3F



262E57



551F24

# Rectangle

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



2E3406



003A23



262E57



4F203F



# Sweetspot

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



2E3406



424532



340B06



222418



A3A3A3



242424



# Same Dimension

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



2E3406



3C4500



183406



191A17



4E5900



BCD900



# Inverse Universe

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



0C0634



090045



220634



17171A



0C0059

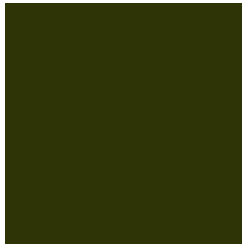


1C00D9



# Previews

## White Background



This preview shows how the Hex color 2E3406 looks on a white background.

## Color Contrast Check

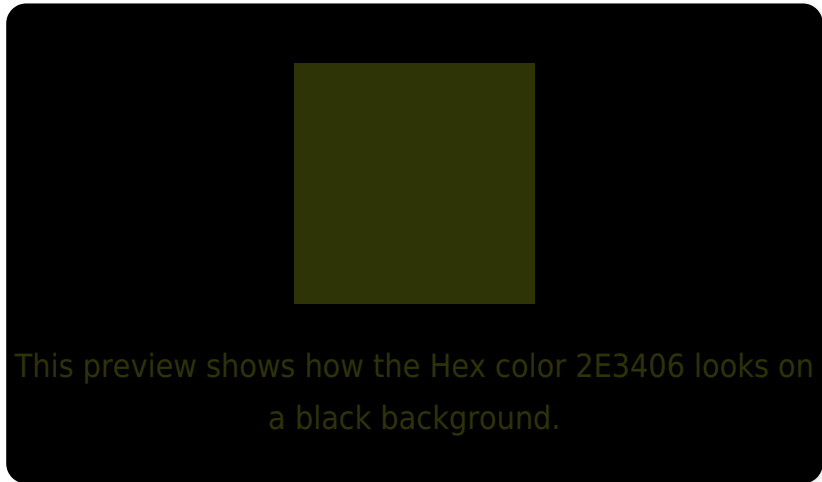
Large Text (above 18pt) WCAG AA ✓ Pass

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

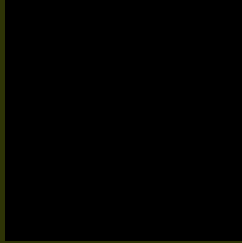
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E3406 Background



This preview shows how black text looks on a background with the Hex color 2E3406.

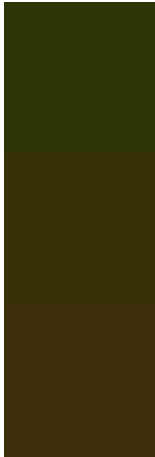


This preview shows how white text looks on a background with the Hex color 2E3406.

# 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**  
2E3406

**Protanopia**  
373105

**Deuteranopia**  
3E2E0A



**Tritanopia**  
323034

# Trichromacy



**Original Color**  
2E3406

**Protanomaly**  
343205

**Deuteranomaly**  
383009

**Tritanomaly**  
313123

# Monochromacy



**Original Color**  
2E3406

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
2D301F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E3406 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 #2E3406 looks like.

```
.text, #text, p{  
    color:#2E3406  
}
```

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 #2E3406 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E3406
}
```

## Border

The CSS property to change the border of an element to Hex 2E3406 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
#2E3406 }
```

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

```
.border{ border-color:#2E3406 }
```

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

Here you see how a box with a 4 pixel #2E3406 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E3406; -webkit-box-shadow:4px 4px  
4px 4px #2E3406; box-shadow:4px 4px 4px  
4px #2E3406 }
```

# Background

The CSS property to change the background color of an element to Hex 2E3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E3406 }
```

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

```
.background{ background-color:#2E3406 }
```

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