

# Converting Colors

Hex(2E7338)

Have a look what the booklet for  
Hex(2E7338) contains.

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# Color

Hex(2E7338)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E7338
RGB	46, 115, 56
RGB Percent	18%, 45%, 22%
CMY	0.8196, 0.5490, 0.7804
CMYK	0.60, 0.00, 0.51, 0.55
HSL	129°, 43%, 32%
HSV	129°, 60%, 45%
XYZ	7.9713, 13.1278, 5.8552
YIQ	87.6430, -22.1850, -32.9770

# Conversions

## Conversions Part 2

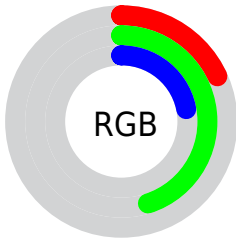
Format	Color
<a href="#">RYB</a>	<a href="#">46, 106, 115</a>
Decimal	<a href="#">3044152</a>
CIELab	<a href="#">42.96, -35.26, 26.16</a>
CIElCh	<a href="#">43, 43.901, 143.429</a>
Yxy	<a href="#">13.1278, 0.2957, 0.4870</a>
Android (android.graphics.Color)	<a href="#">4281234232 (0xFF2E7338)</a>
YUV	<a href="#">87.6430, -15.6000, -36.5209</a>
Hunter-Lab	<a href="#">36.2324, -24.1359, 15.7813</a>




# Details

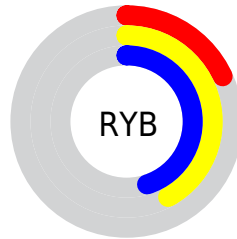
The Hex color **2E7338** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **732E69**, and the grayscale version is **585858**.




A 20% lighter version of the original color is **63A868**, and **00420A** is the 20% darker color. If you saturate the color by 10%, you get **23732E**, and if you desaturate by 10%, it is **397342**.

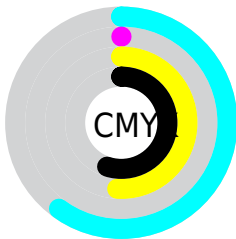
# Distribution







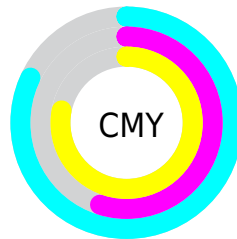
-  Red (18%)
-  Green (45%)
-  Blue (22%)






-  Red (18%)
-  Yellow (42%)
-  Blue (45%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (51%)
-  Black (55%)



-  Cyan (82%)
-  Magenta (55%)
-  Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7338 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 2E7338 by changing the saturation by 10% instead.



 2E7338

 2E7338

FFFFFF

 0F5A21

 63A868

 00420A

 7EC382

 002B00

 99DF9C

 001200

 B4FCB7

 000000

 D1FFD3

 EEFFEF

 2E7338

 2E7338

 23732E

 397342

■ 177324

■ 45734C

■ 0B731A

■ 517356

■ 007311

■ 5C735F

■ 677369

■ 737373

■ 7E737D

■ 8A7387

■ 957391

# Harmonies

## Analogous

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



5D6C1D



2E7338



00765C

# Triad

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



2E7338



006CAE



A7464B

# Complementary

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



2E7338



732E69

# 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.



A3456F



2E7338



585FA8

# Square

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



2E7338



00749F



8A5091



9A532B

# Rectangle

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



2E7338



007775



8A5091



A84457



# Sweetspot

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



2E7338



7B967F



6A732E



3C4D3E



CCCCCC



4D4D4D



# Same Dimension

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



2E7338



2A963A



2E735A



353B36



007A12



00FA24



# Inverse Universe

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



732E69



962A87



732E47



3B353A



7A0069



FA00D6



# Previews

## White Background



This preview shows how the Hex color 2E7338 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 2E7338 Background



This preview shows how black text looks on a background with the Hex color 2E7338.



This preview shows how white text looks on a background with the Hex color 2E7338.

# 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**  
2E7338

**Protanopia**  
6F6533

**Deuteranopia**  
7A603D



**Tritanopia**  
3E6C75

# Trichromacy



**Original Color**  
2E7338



**Protanomaly**  
576A35



**Deuteranomaly**  
5E673B

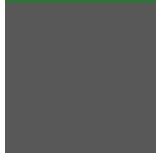


**Tritanomaly**  
386F5F

# Monochromacy



**Original Color**  
2E7338



**Achromatopsia**  
585858



**Achromatomaly**  
49624C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7338 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 #2E7338 looks like.

```
.text, #text, p{  
    color:#2E7338  
}
```

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 #2E7338 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7338
}
```

## Border

The CSS property to change the border of an element to Hex 2E7338 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
#2E7338 }
```

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

```
.border{ border-color:#2E7338 }
```

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

Here you see how a box with a 4 pixel #2E7338 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7338; -webkit-box-shadow:4px 4px  
4px 4px #2E7338; box-shadow:4px 4px 4px  
4px #2E7338 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7338 }
```

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

```
.background{ background-color:#2E7338 }
```

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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