

# Converting Colors

Hex(2E6C36)

Have a look what the booklet for  
Hex(2E6C36) contains.

<b>Hex(2E6C36)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(2E6C36)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E6C36
RGB	46, 108, 54
RGB Percent	18%, 42%, 21%
CMY	0.8196, 0.5765, 0.7882
CMYK	0.57, 0.00, 0.50, 0.58
HSL	128°, 40%, 30%
HSV	128°, 57%, 42%
XYZ	7.1551, 11.5723, 5.3466
YIQ	83.3060, -19.6180, -29.9380

# Conversions

## Conversions Part 2

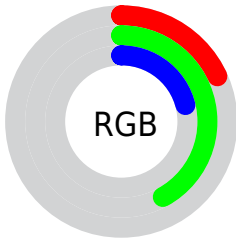
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 101, 108
Decimal	3042358
CIELab	40.53, -32.54, 24.22
CIElCh	41, 40.563, 143.330
Yxy	11.5723, 0.2972, 0.4807
Android (android.graphics.Color)	4281232438 (0xFF2E6C36)
YUV	83.3060, -14.4479, -32.7174
Hunter-Lab	34.0181, -21.9872, 14.4941

# Details

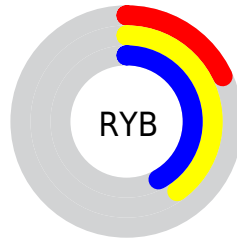
The Hex color **2E6C36** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6C2E64**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **62A066**, and **003C09** is the 20% darker color. If you saturate the color by 10%, you get **236C2D**, and if you desaturate by 10%, it is **396C3F**.

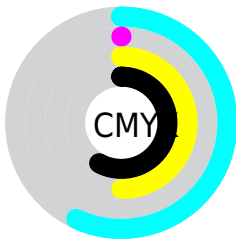
# Distribution



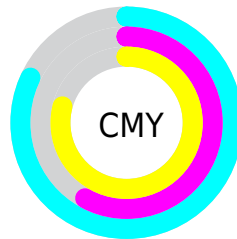
- Red (18%)
- Green (42%)
- Blue (21%)



- Red (18%)
- Yellow (40%)
- Blue (42%)



- Cyan (57%)
- Magenta (0%)
- Yellow (50%)
- Black (58%)



- Cyan (82%)
- Magenta (58%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E6C36 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 2E6C36 by changing the saturation by 10% instead.



 2E6C36

 2E6C36

FFFFFF

 115320

 62A066

 003C09

 7CBB7F

 002600

 97D799

 000400

 B2F4B4

 000000

 CFFFD0

 EBF FEC

 2E6C36

 2E6C36

 236C2D

 396C3F

■ 186C23

■ 446C49

■ 0E6C1A

■ 4E6C52

■ 036C10

■ 596C5C

■ 006C0E

■ 646C65

■ 6F6C6E

■ 7A6C78

■ 846C81

■ 8F6C8B

# Harmonies

## Analogous

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



58651E



2E6C36



006F57

# Triad

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



2E6C36



0065A1



9C4347

# Complementary

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



2E6C36



6C2E64

# 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.



984268



2E6C36



545A9D

# Square

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



2E6C36



006D94



814C88



904E2B

# Rectangle

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



2E6C36



00706E



814C88



9D4252



# Sweetspot

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



2E6C36



748C77



656C2E



39473B



C7C7C7



474747



# Same Dimension

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



2E6C36



2B8C38



2E6C54



303631



00750F



00F520



# Inverse Universe

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



6C2E64



8C2B80



6C2E46



363035



750066



F500D5



# Previews

## White Background



This preview shows how the Hex color 2E6C36 looks on a white background.

## Color Contrast Check

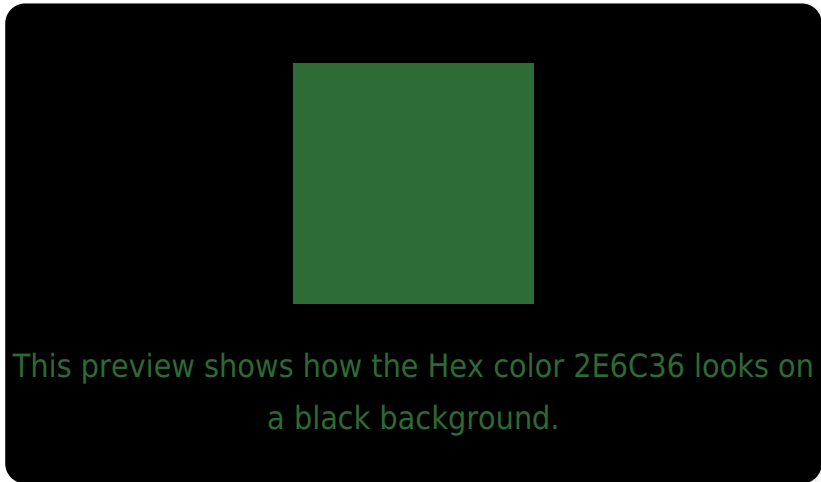
Large Text (above 18pt) WCAG AA ✓ Pass

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

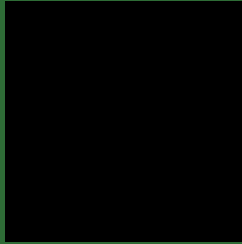
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E6C36 Background



This preview shows how black text looks on a background with the Hex color 2E6C36.



This preview shows how white text looks on a background with the Hex color 2E6C36.

# 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**  
2E6C36

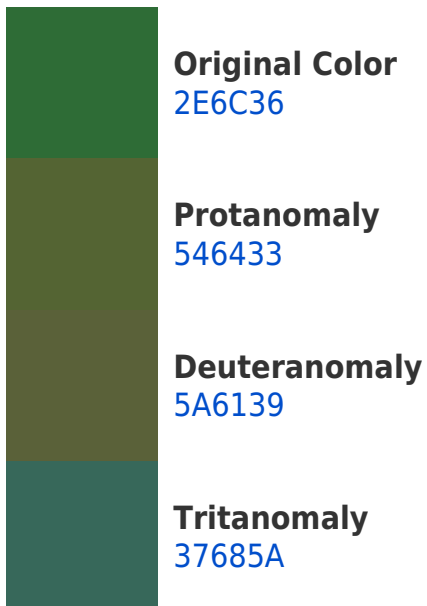
**Protanopia**  
695F32

**Deuteranopia**  
735B3A



**Tritanopia**  
3C666E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E6C36 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 #2E6C36 looks like.

```
.text, #text, p{  
    color:#2E6C36  
}
```

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 #2E6C36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E6C36
}
```

## Border

The CSS property to change the border of an element to Hex 2E6C36 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
#2E6C36 }
```

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

```
.border{ border-color:#2E6C36 }
```

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

Here you see how a box with a 4 pixel #2E6C36 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E6C36; -webkit-box-shadow:4px 4px  
4px 4px #2E6C36; box-shadow:4px 4px 4px  
4px #2E6C36 }
```

# Background

The CSS property to change the background color of an element to Hex 2E6C36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E6C36 }
```

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

```
.background{ background-color:#2E6C36 }
```

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