

# Converting Colors

Hex(2E7543)

Have a look what the booklet for  
Hex(2E7543) contains.

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**Color**

**Hex(2E7543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7543
RGB	46, 117, 67
RGB Percent	18%, 46%, 26%
CMY	0.8196, 0.5412, 0.7373
CMYK	0.61, 0.00, 0.43, 0.54
HSL	138°, 44%, 32%
HSV	138°, 61%, 46%
XYZ	8.5011, 13.7087, 7.5082
YIQ	90.0710, -26.2660, -30.6020

# Conversions

## Conversions Part 2

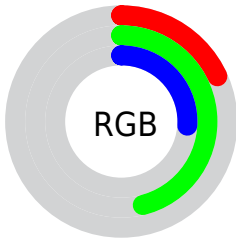
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 101, 117
Decimal	3044675
CIELab	43.81, -34.21, 21.11
CIELCh	44, 40.195, 148.319
Yxy	13.7087, 0.2861, 0.4613
Android (android.graphics.Color)	4281234755 (0xFF2E7543)
YUV	90.0710, -11.3740, -38.6503
Hunter-Lab	37.0252, -23.8099, 13.8945

# Details

The Hex color **2E7543** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **752E60**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **63AA74**, and **004417** is the 20% darker color. If you saturate the color by 10%, you get **22753B**, and if you desaturate by 10%, it is **3A754B**.

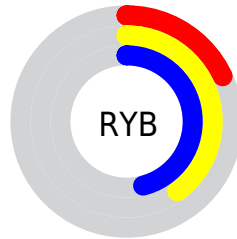
# Distribution



Red (18%)

Green (46%)

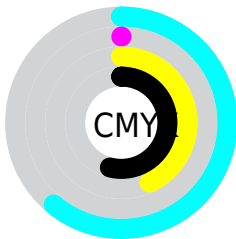
Blue (26%)



Red (18%)

Yellow (40%)

Blue (46%)

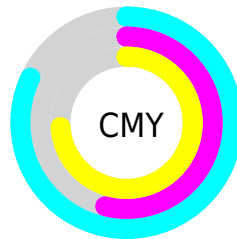


Cyan (61%)

Magenta (0%)

Yellow (43%)

Black (54%)



Cyan (82%)

Magenta (54%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7543 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 2E7543 by changing the saturation by 10% instead.



 2E7543

 2E7543

FFFFFF

 0F5C2C

 63AA74

 004417

 7EC58D

 002D00

 99E2A8

 001600

 B5FEC3

 000000

 D1FFDF

 EEFFFC

 2E7543

 2E7543

 22753B

 3A754B

■ 177533

■ 457553

■ 0B752A

■ 51755C

■ 007523

■ 5D7564

■ 68756C

■ 747574

■ 80757D

■ 8C7585

■ 97758D

# Harmonies

## Analogous

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



5B6F29



2E7543



007865

# Triad

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



2E7543



126CAA



A44D4A

# Complementary

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



2E7543



752E60

# 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.



A34A6B



2E7543



6660A2

# Square

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



2E7543



0074A0



8F528B



95592F

# Rectangle

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



2E7543



00787B



8F528B



A54B54



# Sweetspot

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



2E7543



7D9986



61752E



3C4D41



CCCCCC



4D4D4D



# Same Dimension

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



2E7543



29994A



2E7566



353B37



007A24



00FA4A



# Inverse Universe

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



752E60



992978



752E3D



3B3539



7A0056



FA00B0



# Previews

## White Background



This preview shows how the Hex color 2E7543 looks on a white background.

## Color Contrast Check

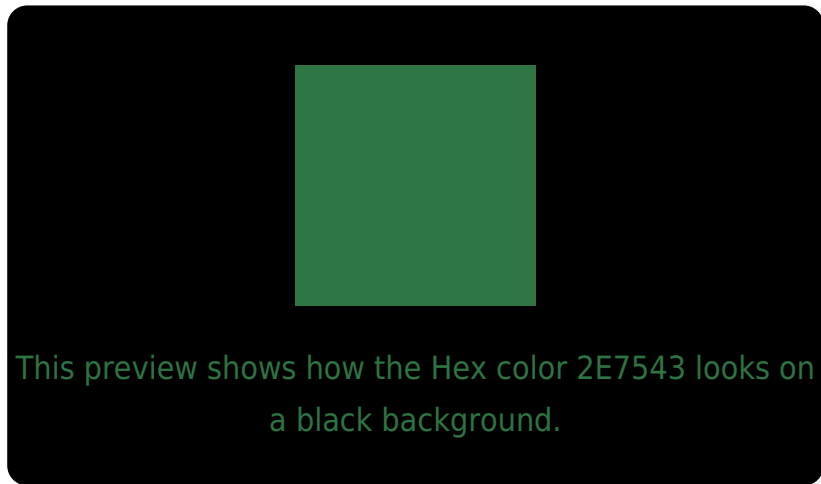
Large Text (above 18pt) WCAG AA ✓ Pass

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 2E7543 Background



This preview shows how black text looks on a background with the Hex color 2E7543.



This preview shows how white text looks on a background with the Hex color 2E7543.

# 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**  
2E7543

**Protanopia**  
71673E

**Deuteranopia**  
7B6347



**Tritanopia**  
3D6F78

# Trichromacy



**Original Color**  
2E7543

**Protanomaly**  
596C40

**Deuteranomaly**  
5F6A46

**Tritanomaly**  
387165

# Monochromacy



**Original Color**  
2E7543

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
4A6452

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7543 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 #2E7543 looks like.

```
.text, #text, p{  
    color:#2E7543  
}
```

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 #2E7543 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7543
}
```

## Border

The CSS property to change the border of an element to Hex 2E7543 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
#2E7543 }
```

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

```
.border{ border-color:#2E7543 }
```

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

Here you see how a box with a 4 pixel #2E7543 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7543; -webkit-box-shadow:4px 4px  
4px 4px #2E7543; box-shadow:4px 4px 4px  
4px #2E7543 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7543 }
```

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

```
.background{ background-color:#2E7543 }
```

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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