

# Converting Colors

Hex(2E5A40)

Have a look what the booklet for  
Hex(2E5A40) contains.

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# Color

Hex(2E5A40)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E5A40
RGB	46, 90, 64
RGB Percent	18%, 35%, 25%
CMY	0.8196, 0.6471, 0.7490
CMYK	0.49, 0.00, 0.29, 0.65
HSL	145°, 32%, 27%
HSV	145°, 49%, 35%
XYZ	5.7083, 8.2633, 6.1446
YIQ	73.8800, -17.8780, -17.4140

# Conversions

## Conversions Part 2

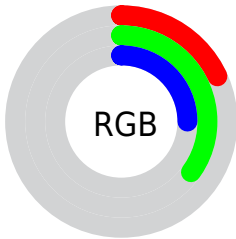
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 77, 90
Decimal	3037760
CIELab	34.53, -21.98, 10.40
CIELCh	35, 24.312, 154.677
Yxy	8.2633, 0.2838, 0.4108
Android (android.graphics.Color)	4281227840 (0xFF2E5A40)
YUV	73.8800, -4.8708, -24.4508
Hunter-Lab	28.7460, -14.8596, 7.4487

# Details

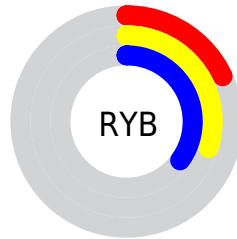
The Hex color **2E5A40** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5A2E48**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **5F8C70**, and **002C15** is the 20% darker color. If you saturate the color by 10%, you get **255A3B**, and if you desaturate by 10%, it is **375A45**.

# Distribution



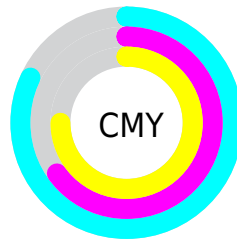
- Red (18%)
- Green (35%)
- Blue (25%)



- Red (18%)
- Yellow (30%)
- Blue (35%)



- Cyan (49%)
- Magenta (0%)
- Yellow (29%)
- Black (65%)



- Cyan (82%)
- Magenta (65%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E5A40 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 2E5A40 by changing the saturation by 10% instead.



 2E5A40

 2E5A40

FFFFFF

 16422A

 5F8C70

 002C15

 78A789

 001800

 93C2A4

 000000

 AEDEBF

 C9FBDA

 E6FFF7

 2E5A40

 2E5A40

 255A3B

 375A45

■ 1C5A35

■ 405A4B

■ 135A30

■ 495A50

■ 0A5A2B

■ 525A55

■ 015A25

■ 5B5A5B

■ 005A25

■ 645A60

■ 6D5A65

■ 765A6B

■ 7F5A70

# Harmonies

## Analogous

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



465731



2E5A40



0C5B54

# Triad

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



2E5A40



395278



75443C

# Complementary

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



2E5A40



5A2E48

# 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.



76424F



2E5A40



574B71

# Square

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



2E5A40



0F5874



6C4562



6B4A2F

# Rectangle

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



2E5A40



005B61



6C4562



764342



# Sweetspot

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



2E5A40



64756B



485A2E



303B34



BABABA



3B3B3B



# Same Dimension

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



2E5A40



30754C



2E5A56



292E2B



006E2D



00ED61



# Inverse Universe

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



5A2E48



753059



5A2E32



2E292C



6E0041

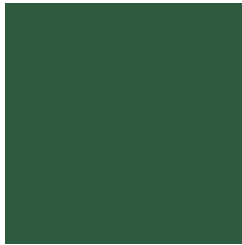


ED008C



# Previews

## White Background



This preview shows how the Hex color 2E5A40 looks on a white background.

## Color Contrast Check

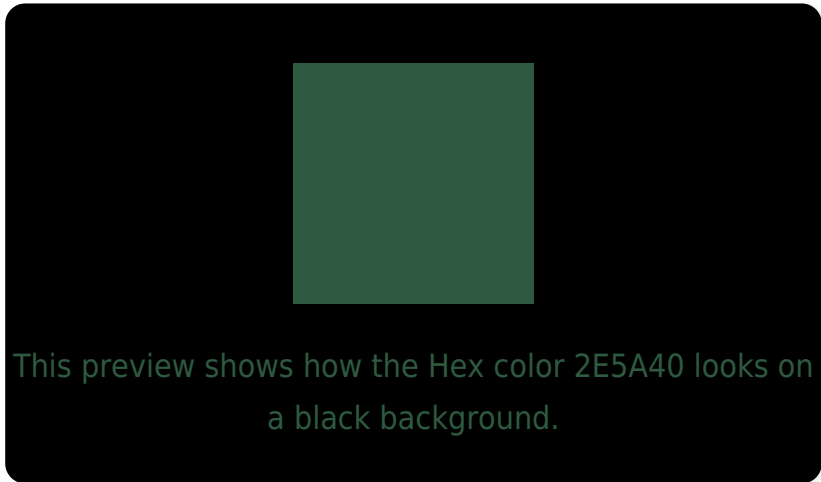
Large Text (above 18pt) WCAG AA ✓ Pass

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

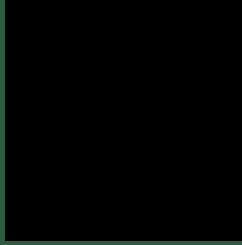
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E5A40 Background



This preview shows how black text looks on a background with the Hex color 2E5A40.



This preview shows how white text looks on a background with the Hex color 2E5A40.

# 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**  
2E5A40

**Protanopia**  
57513C

**Deuteranopia**  
5E4E43



# Trichromacy



**Original Color**  
2E5A40

**Protanomaly**  
48543D

**Deuteranomaly**  
4D5242

**Tritanomaly**  
325752

# Monochromacy



**Original Color**  
2E5A40

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
405046

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E5A40 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 #2E5A40 looks like.

```
.text, #text, p{  
    color:#2E5A40  
}
```

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 #2E5A40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E5A40
}
```

## Border

The CSS property to change the border of an element to Hex 2E5A40 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
#2E5A40 }
```

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

```
.border{ border-color:#2E5A40 }
```

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

Here you see how a box with a 4 pixel #2E5A40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E5A40; -webkit-box-shadow:4px 4px  
4px 4px #2E5A40; box-shadow:4px 4px 4px  
4px #2E5A40 }
```

# Background

The CSS property to change the background color of an element to Hex 2E5A40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E5A40 }
```

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

```
.background{ background-color:#2E5A40 }
```

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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