

# Converting Colors

Hex(2E7440)

Have a look what the booklet for  
Hex(2E7440) contains.

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# Color

Hex(2E7440)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7440
RGB	46, 116, 64
RGB Percent	18%, 45%, 25%
CMY	0.8196, 0.5451, 0.7490
CMYK	0.60, 0.00, 0.45, 0.55
HSL	135°, 43%, 32%
HSV	135°, 60%, 45%
XYZ	8.2975, 13.4418, 7.0077
YIQ	89.1420, -25.0280, -31.0120

# Conversions

## Conversions Part 2

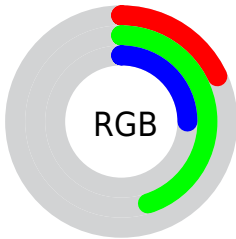
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 102, 116
Decimal	3044416
CIELab	43.42, -34.32, 22.30
CIELCh	43, 40.930, 146.985
Yxy	13.4418, 0.2886, 0.4676
Android (android.graphics.Color)	4281234496 (0xFF2E7440)
YUV	89.1420, -12.3950, -37.8355
Hunter-Lab	36.6630, -23.7625, 14.3316




# Details

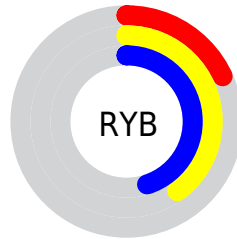
The Hex color **2E7440** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **742E62**, and the grayscale version is **595959**.




A 20% lighter version of the original color is **63A971**, and **004313** is the 20% darker color. If you saturate the color by 10%, you get **227437**, and if you desaturate by 10%, it is **3A7449**.

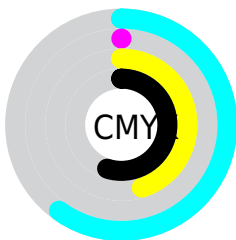
# Distribution







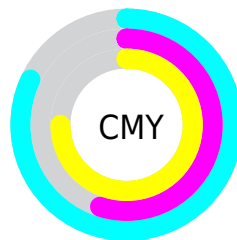
-  Red (18%)
-  Green (45%)
-  Blue (25%)






-  Red (18%)
-  Yellow (40%)
-  Blue (45%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (45%)
-  Black (55%)



-  Cyan (82%)
-  Magenta (55%)
-  Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7440 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 2E7440 by changing the saturation by 10% instead.





2E7440



2E7440

FFFFFF



0F5B29



63A971



004313



7DC48A



002C00



99E0A5



001400



B4FDC0



000000



D1FFDC



EEFF8



2E7440



2E7440



227437



3A7449

■ 17742F

■ 457451

■ 0B7426

■ 51745A

■ 00741E

■ 5C7462

■ 68746B

■ 747474

■ 7F747C

■ 8B7485

■ 96748E

# Harmonies

## Analogous

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



5B6E26



2E7440



007762

# Triad

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



2E7440



006BAA



A44B4A

# Complementary

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



2E7440



742E62

# 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.



A2486B



2E7440



625FA3

# Square

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



2E7440



00739F



8D518C



96572E

# Rectangle

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



2E7440



007779



8D518C



A54955



# Sweetspot

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



2E7440



7B9682



63742E



3C4D40



CCCCCC



4D4D4D



# Same Dimension

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



2E7440



2A9646



2E7463



353B36



007A1F



00FA40



# Inverse Universe

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



742E62



962A7B



742E3F



3B3539



7A005B



FA00BA



# Previews

## White Background



This preview shows how the Hex color 2E7440 looks on a white background.

## Color Contrast Check

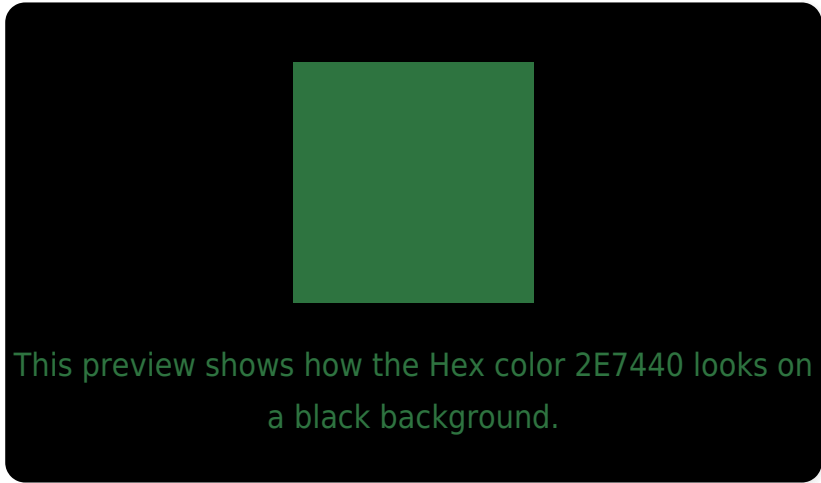
Large Text (above 18pt) WCAG AA ✓ Pass

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 2E7440 Background



This preview shows how black text looks on a background with the Hex color 2E7440.



This preview shows how white text looks on a background with the Hex color 2E7440.

# 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**  
2E7440

**Protanopia**  
70663B

**Deuteranopia**  
7A6244



**Tritanopia**  
3D6E77

# Trichromacy



**Original Color**  
2E7440

**Protanomaly**  
586B3D

**Deuteranomaly**  
5E6943

**Tritanomaly**  
387063

# Monochromacy



**Original Color**  
2E7440

**Achromatopsia**  
595959

**Achromatomaly**  
496350

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7440 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 #2E7440 looks like.

```
.text, #text, p{  
    color:#2E7440  
}
```

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 #2E7440 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7440
}
```

## Border

The CSS property to change the border of an element to Hex 2E7440 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
#2E7440 }
```

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

```
.border{ border-color:#2E7440 }
```

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

Here you see how a box with a 4 pixel #2E7440 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7440; -webkit-box-shadow:4px 4px  
4px 4px #2E7440; box-shadow:4px 4px 4px  
4px #2E7440 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7440 }
```

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

```
.background{ background-color:#2E7440 }
```

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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