

# Converting Colors

Hex(2E7252)

Have a look what the booklet for  
Hex(2E7252) contains.

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# Color

Hex(2E7252)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7252
RGB	46, 114, 82
RGB Percent	18%, 45%, 32%
CMY	0.8196, 0.5529, 0.6784
CMYK	0.60, 0.00, 0.28, 0.55
HSL	152°, 43%, 31%
HSV	152°, 60%, 45%
XYZ	8.6670, 13.2247, 10.0785
YIQ	90.0200, -30.2560, -24.3680

# Conversions

## Conversions Part 2

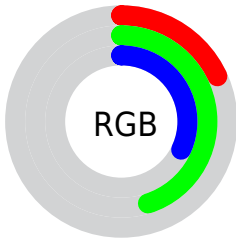
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 90, 114
Decimal	3043922
CIELab	43.10, -29.69, 11.43
CIELCh	43, 31.812, 158.952
Yxy	13.2247, 0.2711, 0.4137
Android (android.graphics.Color)	4281234002 (0xFF2E7252)
YUV	90.0200, -3.9539, -38.6055
Hunter-Lab	36.3657, -21.0983, 9.0243

# Details

The Hex color **2E7252** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **722E4E**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **62A683**, and **004125** is the 20% darker color. If you saturate the color by 10%, you get **23724D**, and if you desaturate by 10%, it is **397257**.

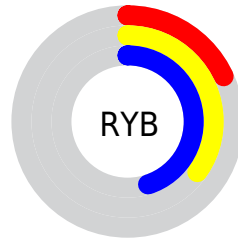
# Distribution



Red (18%)

Green (45%)

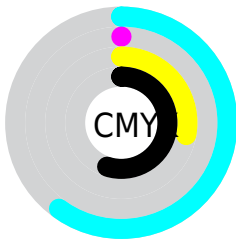
Blue (32%)



Red (18%)

Yellow (35%)

Blue (45%)

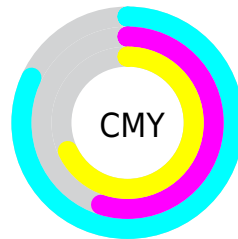


Cyan (60%)

Magenta (0%)

Yellow (28%)

Black (55%)



Cyan (82%)

Magenta (55%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7252 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 2E7252 by changing the saturation by 10% instead.



 2E7252

 2E7252

FFFFFF

 10593B

 62A683

 004125

 7DC29E

 002A10

 98DEB9

 001300

 B4FBD4

 000000

 D0FFF1

 EDFFFF

 2E7252

 2E7252

 23724D

 397257

■ 177247

■ 45725D

■ 0C7242

■ 507262

■ 00723D

■ 5C7267

■ 00723C

■ 67726D

■ 727272

■ 7E7278

■ 89727D

■ 957282

# Harmonies

## Analogous

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



526E3C



2E7252



00736D

# Triad

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



2E7252



49669A



945546

# Complementary

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



2E7252



722E4E

# 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.



98505F



2E7252



735C8F

# Square

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



2E7252



006E96



8D5379



855E35

# Rectangle

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



2E7252



00737E



8D5379



97534E



# Sweetspot

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



2E7252



799487



4F722E



3A4A42



C9C9C9



4A4A4A



# Same Dimension

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



2E7252



299462



2E7172



323835



00783F



00F783



# Inverse Universe

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



722E4E



94295C



722F2E



383235



780038



F70074



# Previews

## White Background



This preview shows how the Hex color 2E7252 looks on a white background.

## Color Contrast Check

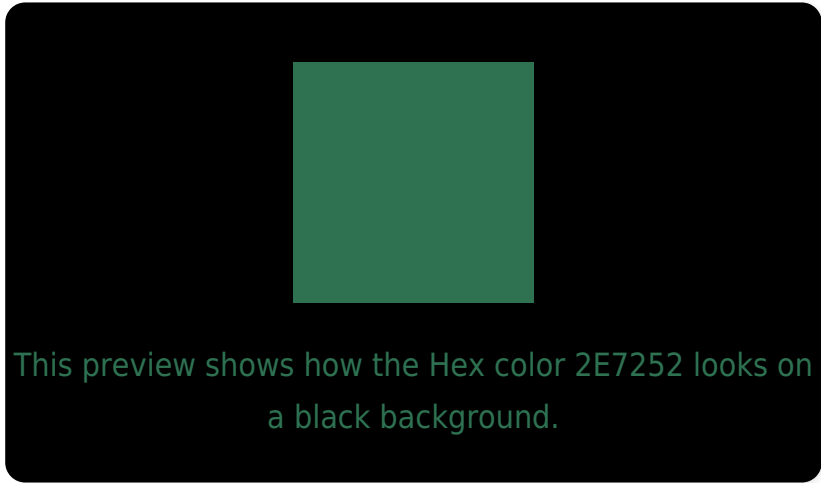
Large Text (above 18pt) WCAG AA ✓ Pass

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

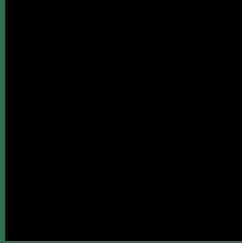
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E7252 Background



This preview shows how black text looks on a background with the Hex color 2E7252.



This preview shows how white text looks on a background with the Hex color 2E7252.

# 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**  
2E7252

**Protanopia**  
6C654C

**Deuteranopia**  
756156



**Tritanopia**  
3A6D76

# Trichromacy



**Original Color**  
2E7252

**Protanomaly**  
556A4E

**Deuteranomaly**  
5B6755

**Tritanomaly**  
366F69

# Monochromacy



**Original Color**  
2E7252

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
4A6357

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7252 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 #2E7252 looks like.

```
.text, #text, p{  
    color:#2E7252  
}
```

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 #2E7252 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7252
}
```

## Border

The CSS property to change the border of an element to Hex 2E7252 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".

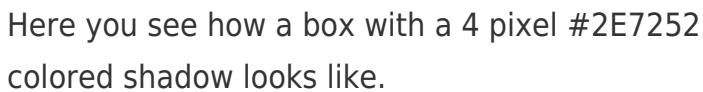
```
.border, #border, table{ border:4px solid
#2E7252 }
```

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

```
.border{ border-color:#2E7252 }
```

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

Here you see how a box with a 4 pixel #2E7252 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7252; -webkit-box-shadow:4px 4px  
4px 4px #2E7252; box-shadow:4px 4px 4px  
4px #2E7252 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7252 }
```

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

```
.background{ background-color:#2E7252 }
```

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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