

# Converting Colors

Hex(2E8858)

Have a look what the booklet for  
Hex(2E8858) contains.

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# Color

Hex(2E8858)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E8858
RGB	46, 136, 88
RGB Percent	18%, 53%, 35%
CMY	0.8196, 0.4667, 0.6549
CMYK	0.66, 0.00, 0.35, 0.47
HSL	148°, 49%, 36%
HSV	148°, 66%, 53%
XYZ	11.6923, 18.8937, 12.2631
YIQ	103.6180, -38.2320, -34.0080

# Conversions

## Conversions Part 2

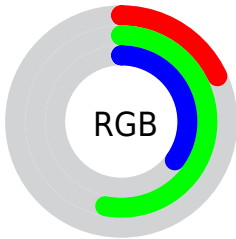
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 107, 136
Decimal	3049560
CIELab	50.56, -38.24, 18.18
CIElCh	51, 42.339, 154.574
Yxy	18.8937, 0.2729, 0.4409
Android (android.graphics.Color)	4281239640 (0xFF2E8858)
YUV	103.6180, -7.6997, -50.5310
Hunter-Lab	43.4669, -28.0518, 13.6996

# Details

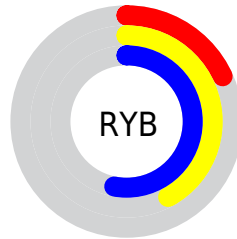
The Hex color **2E8858** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **882E5E**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **66BE8A**, and **00552A** is the 20% darker color. If you saturate the color by 10%, you get **208851**, and if you desaturate by 10%, it is **3C885F**.

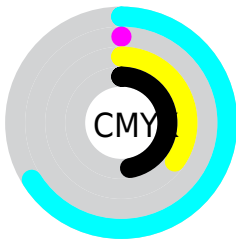
# Distribution



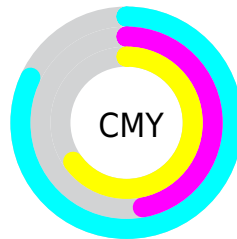
- Red (18%)
- Green (53%)
- Blue (35%)



- Red (18%)
- Yellow (42%)
- Blue (53%)



- Cyan (66%)
- Magenta (0%)
- Yellow (35%)
- Black (47%)



- Cyan (82%)
- Magenta (47%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E8858 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 2E8858 by changing the saturation by 10% instead.



 2E8858

 2E8858

FFFFFF

 066E40

 66BE8A

 00552A

 82DAA5

 003D15

 9EF7C0

 002800

 BAFFDC

 000400

 D7FFF8

 000000

 F4FFFF

 2E8858

 2E8858

 208851

 3C885F

■ 138849

■ 498867

■ 058842

■ 57886E

■ 00883F

■ 648875

■ 72887C

■ 808884

■ 8D888B

■ 9B8892

■ A88899

# Harmonies

## Analogous

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



62823A



2E8858



008A7D

# Triad

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



2E8858



3F7AC0



B85F51

# Complementary

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



2E8858



882E5E

# 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.



BB5974



2E8858



826DB4

# Square

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



2E8858



0084B9



A95F98



A66B37

# Rectangle

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



2E8858



008A95



A95F98



BB5B5C



# Sweetspot

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



2E8858



8DB09D



5E882E



44594E



D9D9D9



595959



# Same Dimension

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



2E8858



25B066



2E8885



3E4541



00853E



000502



# Inverse Universe

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



882E5E



B0256F



882E31



453E42



850047



050003



# Previews

## White Background



This preview shows how the Hex color 2E8858 looks on a white background.

## Color Contrast Check

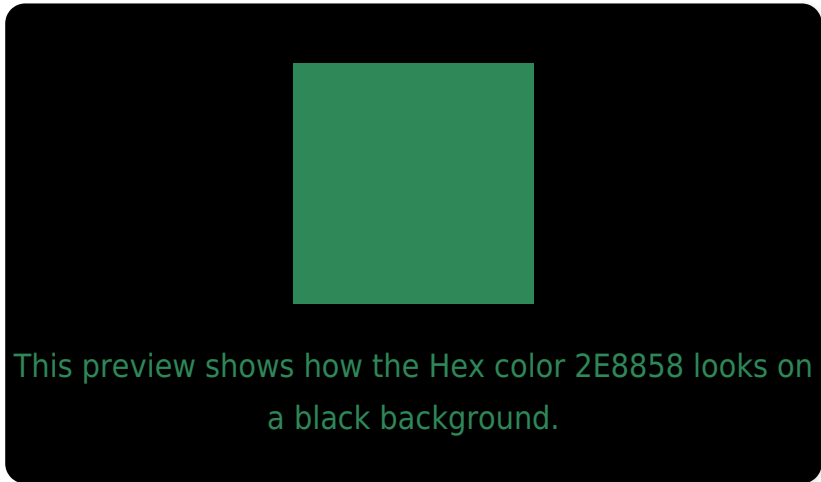
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

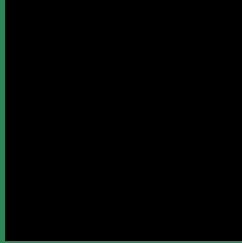
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E8858 Background



This preview shows how black text looks on a background with the Hex color 2E8858.



This preview shows how white text looks on a background with the Hex color 2E8858.

# 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**  
2E8858

**Protanopia**  
827851

**Deuteranopia**  
8C735D



**Tritanopia**  
40828C

# Trichromacy



**Original Color**  
2E8858



**Protanomaly**  
637E54



**Deuteranomaly**  
6A7B5B



**Tritanomaly**  
398479

# Monochromacy



**Original Color**  
2E8858



**Achromatopsia**  
686868



**Achromatomaly**  
537462

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E8858 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 #2E8858 looks like.

```
.text, #text, p{  
    color:#2E8858  
}
```

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 #2E8858 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E8858
}
```

## Border

The CSS property to change the border of an element to Hex 2E8858 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
#2E8858 }
```

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

```
.border{ border-color:#2E8858 }
```

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

Here you see how a box with a 4 pixel #2E8858 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E8858; -webkit-box-shadow:4px 4px  
4px 4px #2E8858; box-shadow:4px 4px 4px  
4px #2E8858 }
```

# Background

The CSS property to change the background color of an element to Hex 2E8858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E8858 }
```

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

```
.background{ background-color:#2E8858 }
```

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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