

# Converting Colors

Hex(2E8540)

Have a look what the booklet for  
Hex(2E8540) contains.

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**Color**

**Hex(2E8540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E8540
RGB	46, 133, 64
RGB Percent	18%, 52%, 25%
CMY	0.8196, 0.4784, 0.7490
CMYK	0.65, 0.00, 0.52, 0.48
HSL	132°, 49%, 35%
HSV	132°, 65%, 52%
XYZ	10.4397, 17.7261, 7.7217
YIQ	99.1210, -29.7030, -39.9030

# Conversions

## Conversions Part 2

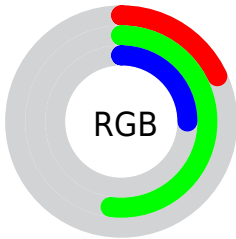
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 118, 133
Decimal	3048768
CIELab	49.16, -41.42, 29.56
CIElCh	49, 50.888, 144.481
Yxy	17.7261, 0.2909, 0.4939
Android (android.graphics.Color)	4281238848 (0xFF2E8540)
YUV	99.1210, -17.3147, -46.5871
Hunter-Lab	42.1023, -29.4184, 18.5976

# Details

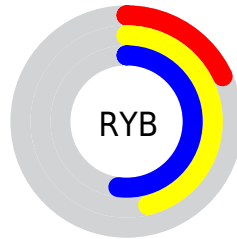
The Hex color **2E8540** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **852E73**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **66BB71**, and **005211** is the 20% darker color. If you saturate the color by 10%, you get **218535**, and if you desaturate by 10%, it is **3B854B**.

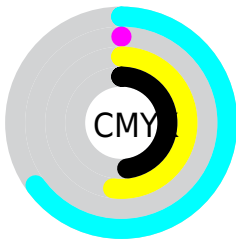
# Distribution



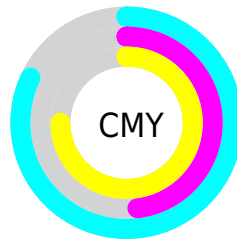
- Red (18%)
- Green (52%)
- Blue (25%)



- Red (18%)
- Yellow (46%)
- Blue (52%)



- Cyan (65%)
- Magenta (0%)
- Yellow (52%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E8540 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 2E8540 by changing the saturation by 10% instead.



 2E8540

 2E8540

FFFFFF

 076B29

 66BB71

 005211

 82D78B

 003A00

 9DF4A6

 002600

 BAFFC1

 000000

 D6FFDD

 F4FFFA

 2E8540

 2E8540

 218535

 3B854B

■ 13852B

■ 498555

■ 068520

■ 568560

■ 00851C

■ 63856A

■ 718575

■ 7E857F

■ 8B858A

■ 988594

■ A6859F

# Harmonies

## Analogous

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



697D1E



2E8540



00896B

# Triad

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



2E8540



007CCB



C24F54

# Complementary

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



2E8540



852E73

# 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.



BE4C7F



2E8540



676DC4

# Square

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



2E8540



0085BA



A15AA8



B15F2E

# Rectangle

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



2E8540



008989



A15AA8



C34C62



# Sweetspot

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



2E8540



8BAD92



74852E



425746



D6D6D6



575757



# Same Dimension

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



2E8540



26AD42



2E856B



3C423D



00821B



000301



# Inverse Universe

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



852E73



AD2691



852E48



423C41



820067



030002



# Previews

## White Background



This preview shows how the Hex color 2E8540 looks on a white background.

## Color Contrast Check

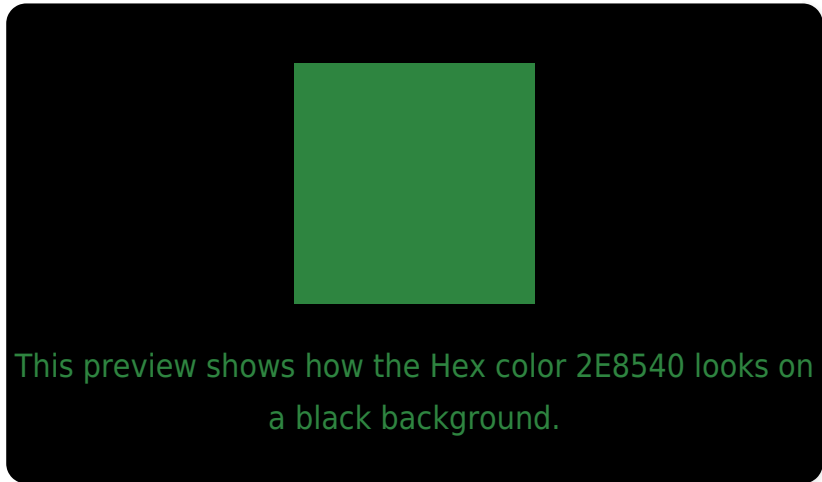
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

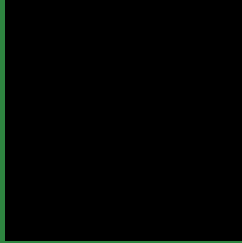
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2E8540 Background



This preview shows how black text looks on a background with the Hex color 2E8540.

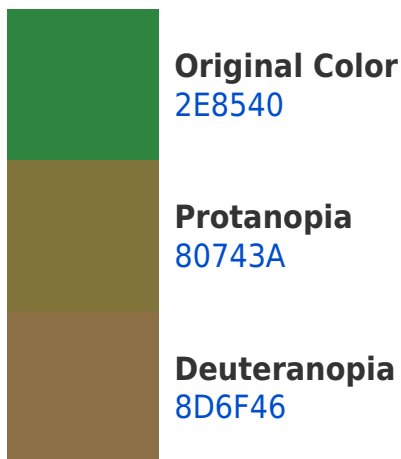



This preview shows how white text looks on a background with the Hex color 2E8540.

# 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





**Tritanopia**  
437D87

# Trichromacy



**Original Color**  
2E8540



**Protanomaly**  
627A3C



**Deuteranomaly**  
6A7744



**Tritanomaly**  
3B806D

# Monochromacy



**Original Color**  
2E8540



**Achromatopsia**  
636363



**Achromatomaly**  
506F56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E8540 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 #2E8540 looks like.

```
.text, #text, p{  
    color:#2E8540  
}
```

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 #2E8540 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E8540
}
```

## Border

The CSS property to change the border of an element to Hex 2E8540 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
#2E8540 }
```

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

```
.border{ border-color:#2E8540 }
```

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

Here you see how a box with a 4 pixel #2E8540 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E8540; -webkit-box-shadow:4px 4px  
4px 4px #2E8540; box-shadow:4px 4px 4px  
4px #2E8540 }
```

# Background

The CSS property to change the background color of an element to Hex 2E8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E8540 }
```

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

```
.background{ background-color:#2E8540 }
```

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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