

# Converting Colors

Hex(2E784A)

Have a look what the booklet for  
Hex(2E784A) contains.

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# Color

Hex(2E784A)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E784A
RGB	46, 120, 74
RGB Percent	18%, 47%, 29%
CMY	0.8196, 0.5294, 0.7098
CMYK	0.62, 0.00, 0.38, 0.53
HSL	143°, 45%, 33%
HSV	143°, 62%, 47%
XYZ	9.0792, 14.5082, 8.8004
YIQ	92.6300, -29.3380, -29.9940

# Conversions

## Conversions Part 2

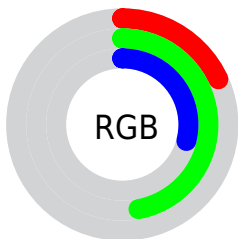
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 100, 120
Decimal	3045450
CIELab	44.95, -34.17, 18.62
CIElCh	45, 38.910, 151.411
Yxy	14.5082, 0.2803, 0.4480
Android (android.graphics.Color)	4281235530 (0xFF2E784A)
YUV	92.6300, -9.1846, -40.8945
Hunter-Lab	38.0896, -24.1088, 12.9641

# Details

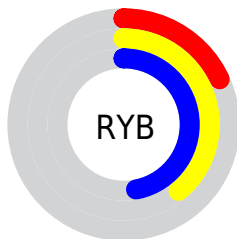
The Hex color **2E784A** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **782E5C**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **63AD7B**, and **00461D** is the 20% darker color. If you saturate the color by 10%, you get **227843**, and if you desaturate by 10%, it is **3A7851**.

# Distribution



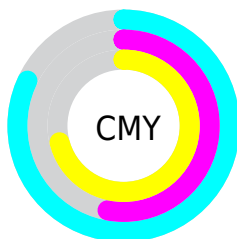
- Red (18%)
- Green (47%)
- Blue (29%)



- Red (18%)
- Yellow (39%)
- Blue (47%)



- Cyan (62%)
- Magenta (0%)
- Yellow (38%)
- Black (53%)



- Cyan (82%)
- Magenta (53%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E784A 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 2E784A by changing the saturation by 10% instead.





2E784A



2E784A

FFFFFF



0E5F33



63AD7B



00461D



7EC995



002F06



99E5B0



001A00



B5FFCB



000000



D2FFE8



FFFFFF



2E784A



2E784A



227843



3A7851

■ 16783B

■ 467859

■ 0A7834

■ 527860

■ 00782D

■ 5E7868

■ 6A786F

■ 767877

■ 82787E

■ 8E7886

■ 9A788D

# Harmonies

## Analogous

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



5A7230



2E784A



007A6B

# Triad

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



2E784A



2D6DAB



A5524A

# Complementary

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



2E784A



782E5C

# 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.



A54E6A



2E784A



6E61A2

# Square

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



2E784A



0076A3



93558A



955D31

# Rectangle

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



2E784A



007A81



93558A



A75054



# Sweetspot

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



2E784A



7E9C89



5D782E



3D4F44



CFCFCF



4F4F4F



# Same Dimension

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



2E784A



289C54



2E786E



373D39



007D2F



00FC60



# Inverse Universe

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



782E5C



9C2870



782E38



3D373B



7D004E



FC009D



# Previews

## White Background



This preview shows how the Hex color 2E784A looks on a white background.

## Color Contrast Check

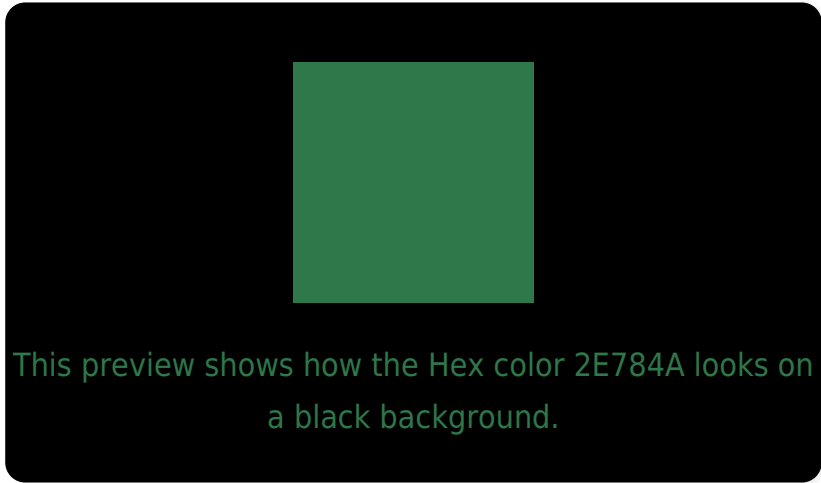
Large Text (above 18pt) WCAG AA ✓ Pass

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 2E784A Background



This preview shows how black text looks on a background with the Hex color 2E784A.



This preview shows how white text looks on a background with the Hex color 2E784A.

# 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**  
2E784A

**Protanopia**  
736A44

**Deuteranopia**  
7D654E



**Tritanopia**  
3D727B

# Trichromacy



**Original Color**  
2E784A



**Protanomaly**  
5A6F46



**Deuteranomaly**  
606C4D



**Tritanomaly**  
387469

# Monochromacy



**Original Color**  
2E784A



**Achromatopsia**  
5D5D5D



**Achromatomaly**  
4C6756

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E784A 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 #2E784A looks like.

```
.text, #text, p{  
    color:#2E784A  
}
```

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 #2E784A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E784A
}
```

## Border

The CSS property to change the border of an element to Hex 2E784A 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".

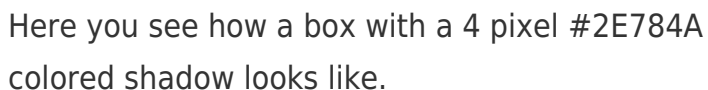
```
.border, #border, table{ border:4px solid
#2E784A }
```

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

```
.border{ border-color:#2E784A }
```

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

Here you see how a box with a 4 pixel #2E784A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E784A; -webkit-box-shadow:4px 4px  
4px 4px #2E784A; box-shadow:4px 4px 4px  
4px #2E784A }
```

# Background

The CSS property to change the background color of an element to Hex 2E784A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E784A }
```

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

```
.background{ background-color:#2E784A }
```

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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