

# Converting Colors

Hex(2E7866)

Have a look what the booklet for  
Hex(2E7866) contains.

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# Color

Hex(2E7866)

# Conversions

## Conversions Part 1

Format	Color
Hex	2E7866
RGB	46, 120, 102
RGB Percent	18%, 47%, 40%
CMY	0.8196, 0.5294, 0.6000
CMYK	0.62, 0.00, 0.15, 0.53
HSL	165°, 45%, 33%
HSV	165°, 62%, 47%
XYZ	10.2415, 14.9731, 14.9207
YIQ	95.8220, -38.3260, -21.2860

# Conversions

## Conversions Part 2

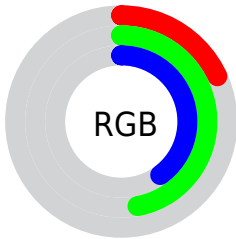
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 88, 120
Decimal	3045478
CIE <sub>Lab</sub>	45.60, -27.58, 3.09
CIE <sub>LCh</sub>	46, 27.751, 173.605
Y <sub>xy</sub>	14.9731, 0.2552, 0.3731
Android (android.graphics.Color)	4281235558 (0xFF2E7866)
YUV	95.8220, 3.0458, -43.6939
Hunter-Lab	38.6951, -20.4727, 4.2245

# Details

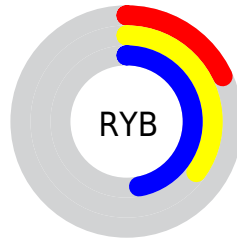
The Hex color **2E7866** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **782E40**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **64AD99**, and **004737** is the 20% darker color. If you saturate the color by 10%, you get **227863**, and if you desaturate by 10%, it is **3A7869**.

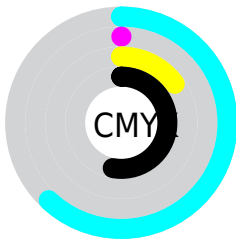
# Distribution



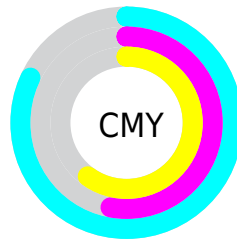
- Red (18%)
- Green (47%)
- Blue (40%)



- Red (18%)
- Yellow (35%)
- Blue (47%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (53%)



- Cyan (82%)
- Magenta (53%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E7866 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 2E7866 by changing the saturation by 10% instead.





2E7866



2E7866

FFFFFF



0D5F4E



64AD99



004737



7FC8B4



003022



9AE5CF



001C0C



B6FFEB



000000



D3FFFF



F0FFFF



2E7866



2E7866



227863



3A7869

■ 167860

■ 46786C

■ 0A785D

■ 52786F

■ 00785B

■ 5E7872

■ 6A7875

■ 767878

■ 82787A

■ 8E787D

■ 9A7880

# Harmonies

## Analogous

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



4D7550



2E7866



04787E

# Triad

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



2E7866



676896



916147

# Complementary

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



2E7866



782E40

# 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.



995B5B



2E7866



845F88

# Square

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



2E7866



41709A



955A72



80693E

# Rectangle

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



2E7866



01778B



955A72



955E4D



# Sweetspot

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



2E7866



7E9C94



41782E



3D4F4B



CFCFCF



4F4F4F



# Same Dimension

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



2E7866



289C80



2E6578



373D3C



007D5F



00FCBF



# Inverse Universe

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



782E40



9C2844



78412E



3D3739



7D001E



FC003D



# Previews

## White Background



This preview shows how the Hex color 2E7866 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

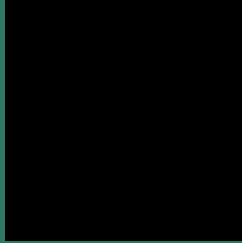
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2E7866 Background



This preview shows how black text looks on a background with the Hex color 2E7866.

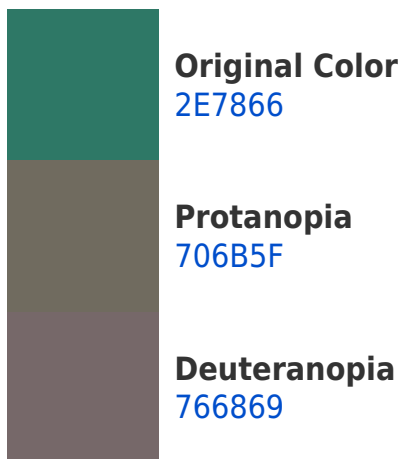


This preview shows how white text looks on a background with the Hex color 2E7866.

# 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**  
37757E

# Trichromacy



**Original Color**  
2E7866

**Protanomaly**  
587062

**Deuteranomaly**  
5C6E68

**Tritanomaly**  
347675

# Monochromacy



**Original Color**  
2E7866

**Achromatopsia**  
606060

**Achromatomaly**  
4E6962

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E7866 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 #2E7866 looks like.

```
.text, #text, p{  
    color:#2E7866  
}
```

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 #2E7866 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E7866
}
```

## Border

The CSS property to change the border of an element to Hex 2E7866 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
#2E7866 }
```

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

```
.border{ border-color:#2E7866 }
```

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

Here you see how a box with a 4 pixel #2E7866 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E7866; -webkit-box-shadow:4px 4px  
4px 4px #2E7866; box-shadow:4px 4px 4px  
4px #2E7866 }
```

# Background

The CSS property to change the background color of an element to Hex 2E7866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E7866 }
```

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

```
.background{ background-color:#2E7866 }
```

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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