

# Converting Colors

Hex(28876E)

Have a look what the booklet for  
Hex(28876E) contains.

<b>Hex(28876E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(28876E)

# Conversions

## Conversions Part 1

Format	Color
Hex	28876E
RGB	40, 135, 110
RGB Percent	16%, 53%, 43%
CMY	0.8431, 0.4706, 0.5686
CMYK	0.70, 0.00, 0.19, 0.47
HSL	164°, 54%, 34%
HSV	164°, 70%, 53%
XYZ	12.3535, 18.9049, 17.7498
YIQ	103.7450, -48.5950, -27.9150

# Conversions

## Conversions Part 2

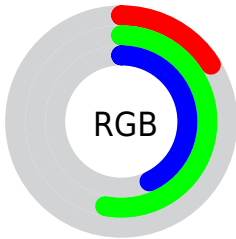
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 95, 135
Decimal	2656110
CIELab	50.58, -33.69, 5.53
CIELCh	51, 34.143, 170.678
Yxy	18.9049, 0.2521, 0.3857
Android (android.graphics.Color)	4280846190 (0xFF28876E)
YUV	103.7450, 3.0837, -55.9044
Hunter-Lab	43.4797, -25.3738, 6.2318

# Details

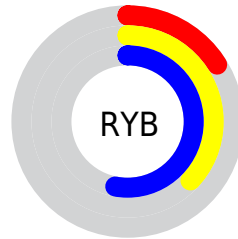
The Hex color **28876E** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **872841**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **62BDA2**, and **00543E** is the 20% darker color. If you saturate the color by 10%, you get **1B876A**, and if you desaturate by 10%, it is **368772**.

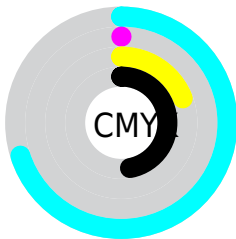
# Distribution



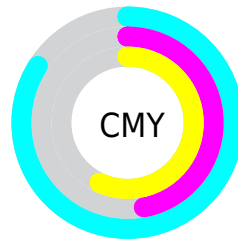
- Red (16%)
- Green (53%)
- Blue (43%)



- Red (16%)
- Yellow (37%)
- Blue (53%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (47%)



- Cyan (84%)
- Magenta (47%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28876E 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 28876E by changing the saturation by 10% instead.



 28876E

 28876E

FFFFFF

 006D56

 62BDA2

 00543E

 7ED9BD

 003C29

 9AF6D8

 002714

 B7FFF5

 000400

 D4FFFF

 000000

 F1FFFF

 28876E

 28876E

 1B876A

 368772

■ 0D8767

■ 438775

■ 008763

■ 518779

■ 5E877C

■ 6C8780

■ 798783

■ 878787

■ 94878A

■ A2878E

# Harmonies

## Analogous

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



558452



28876E



00878C

# Triad

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



28876E



6D74AF



A7694C

# Complementary

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



28876E



872841

# 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.



B06265



28876E



94699E

# Square

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



28876E



367EB1



AA6283



93743E

# Rectangle

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



28876E



00869D



AA6283



AC6654



# Sweetspot

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



28876E



8BB0A6



418728



435953



D9D9D9



595959



# Same Dimension

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



28876E



1CB089



287187



3C4241



008260



000302



# Inverse Universe

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



872841



B01C43



873E28



423C3D



820022



030001



# Previews

## White Background



This preview shows how the Hex color 28876E looks on a white background.

## Color Contrast Check

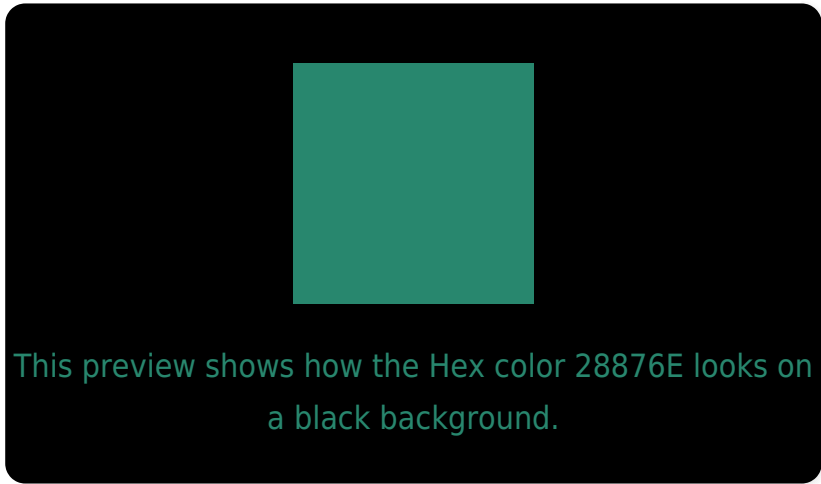
Large Text (above 18pt) WCAG AA ✓ Pass

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

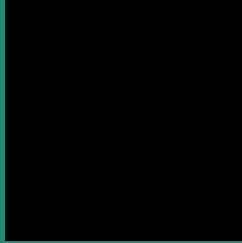
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 28876E Background



This preview shows how black text looks on a background with the Hex color 28876E.

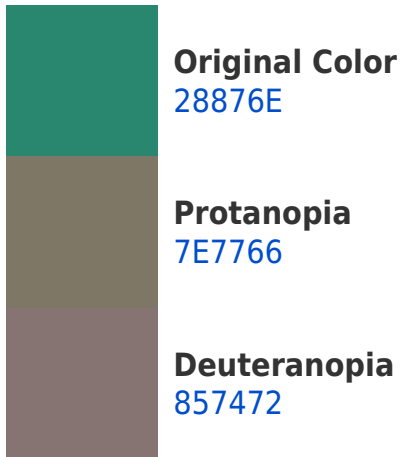


This preview shows how white text looks on a background with the Hex color 28876E.

# 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**  
37838D

# Trichromacy



**Original Color**  
28876E

**Protanomaly**  
5F7D69

**Deuteranomaly**  
637B71

**Tritanomaly**  
328482

# Monochromacy



**Original Color**  
28876E

**Achromatopsia**  
686868

**Achromatomaly**  
51736A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28876E 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 #28876E looks like.

```
.text, #text, p{  
    color:#28876E  
}
```

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 #28876E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28876E
}
```

## Border

The CSS property to change the border of an element to Hex 28876E 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
#28876E }
```

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

```
.border{ border-color:#28876E }
```

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

Here you see how a box with a 4 pixel #28876E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28876E; -webkit-box-shadow:4px 4px  
4px 4px #28876E; box-shadow:4px 4px 4px  
4px #28876E }
```

# Background

The CSS property to change the background color of an element to Hex 28876E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28876E }
```

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

```
.background{ background-color:#28876E }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor