

# Converting Colors

Hex(257E5A)

Have a look what the booklet for  
Hex(257E5A) contains.

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# Color

Hex(257E5A)

# Conversions

## Conversions Part 1

Format	Color
Hex	257E5A
RGB	37, 126, 90
RGB Percent	15%, 49%, 35%
CMY	0.8549, 0.5059, 0.6471
CMYK	0.71, 0.00, 0.29, 0.51
HSL	156°, 55%, 32%
HSV	156°, 71%, 49%
XYZ	10.0693, 16.0532, 12.2407
YIQ	95.2850, -41.4880, -30.0640

# Conversions

## Conversions Part 2

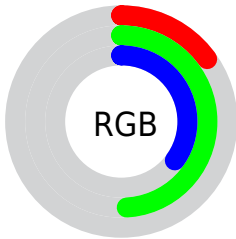
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 93, 126
Decimal	2457178
CIELab	47.04, -35.16, 12.17
CIELCh	47, 37.203, 160.905
Yxy	16.0532, 0.2625, 0.4185
Android (android.graphics.Color)	4280647258 (0xFF257E5A)
YUV	95.2850, -2.6055, -51.1159
Hunter-Lab	40.0665, -25.2567, 9.9328

# Details

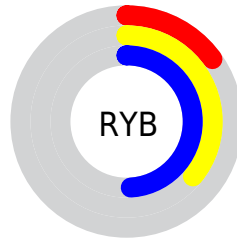
The Hex color **257E5A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7E2549**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **5EB38C**, and **004C2C** is the 20% darker color. If you saturate the color by 10%, you get **187E55**, and if you desaturate by 10%, it is **327E5F**.

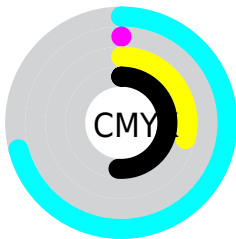
# Distribution



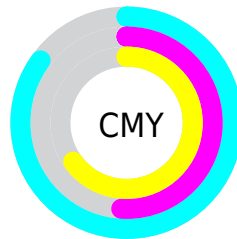
- Red (15%)
- Green (49%)
- Blue (35%)



- Red (15%)
- Yellow (36%)
- Blue (49%)



- Cyan (71%)
- Magenta (0%)
- Yellow (29%)
- Black (51%)



- Cyan (85%)
- Magenta (51%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 257E5A 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 257E5A by changing the saturation by 10% instead.



 257E5A

 257E5A

FFFFFF

 006542

 5EB38C

 004C2C

 79CFA7

 003417

 95ECC2

 002000

 B1FFDE

 000000

 CEFFFA

 EBFFFF

 257E5A

 257E5A

 187E55

 327E5F

■ 0C7E50

■ 3E7E64

■ 007E4B

■ 4B7E69

■ 577E6E

■ 647E73

■ 717E79

■ 7D7E7E

■ 8A7E83

■ 967E88

# Harmonies

## Analogous

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



55793E



257E5A



007F7A

# Triad

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



257E5A



506FAD



A55C48

# Complementary

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



257E5A



7E2549

# 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.



AA5565



257E5A



81639F

# Square

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



257E5A



0078AA



9F5885



936734

# Rectangle

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



257E5A



007F8F



9F5885



A95951



# Sweetspot

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



257E5A



81A395



4A7E25



3D5249



D1D1D1



525252



# Same Dimension

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



257E5A



18A36B



25777E



39403D



00804C



000000



# Inverse Universe

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



7E2549



A31851



7E2C25



40393C



800034



000000



# Previews

## White Background



This preview shows how the Hex color 257E5A looks on a white background.

## Color Contrast Check

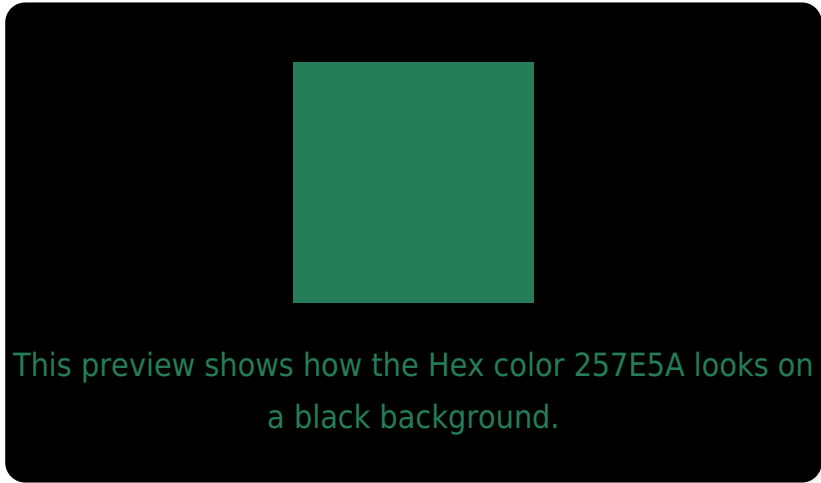
Large Text (above 18pt) WCAG AA ✓ Pass

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

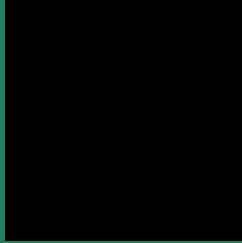
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 257E5A Background



This preview shows how black text looks on a background with the Hex color 257E5A.



This preview shows how white text looks on a background with the Hex color 257E5A.

# 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**  
257E5A

**Protanopia**  
776F53

**Deuteranopia**  
7F6B5E



**Tritanopia**  
367983

# Trichromacy



**Original Color**  
257E5A



**Protanomaly**  
597456



**Deuteranomaly**  
5E725D



**Tritanomaly**  
307B74

# Monochromacy



**Original Color**  
257E5A



**Achromatopsia**  
5F5F5F



**Achromatomaly**  
4A6A5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 257E5A 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 #257E5A looks like.

```
.text, #text, p{  
    color:#257E5A  
}
```

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 #257E5A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #257E5A
}
```

## Border

The CSS property to change the border of an element to Hex 257E5A 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
#257E5A }
```

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

```
.border{ border-color:#257E5A }
```

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

Here you see how a box with a 4 pixel #257E5A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #257E5A; -webkit-box-shadow:4px 4px  
4px 4px #257E5A; box-shadow:4px 4px 4px  
4px #257E5A }
```

# Background

The CSS property to change the background color of an element to Hex 257E5A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#257E5A }
```

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

```
.background{ background-color:#257E5A }
```

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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