

# Converting Colors

Hex(27AA63)

Have a look what the booklet for  
Hex(27AA63) contains.

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**Color**

**Hex(27AA63)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27AA63
RGB	39, 170, 99
RGB Percent	15%, 67%, 39%
CMY	0.8471, 0.3333, 0.6118
CMYK	0.77, 0.00, 0.42, 0.33
HSL	147°, 63%, 41%
HSV	147°, 77%, 67%
XYZ	17.4636, 30.0816, 16.6903
YIQ	122.7370, -55.2850, -49.8530

# Conversions

## Conversions Part 2

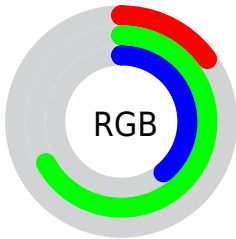
Format	Color
<a href="#">RYB</a>	<a href="#">39, 129, 170</a>
Decimal	<a href="#">2599523</a>
CIELab	<a href="#">61.72, -50.77, 26.97</a>
CIELCh	<a href="#">62, 57.489, 152.020</a>
Yxy	<a href="#">30.0816, 0.2719, 0.4683</a>
Android (android.graphics.Color)	<a href="#">4280789603 (0xFF27AA63)</a>
YUV	<a href="#">122.7370, -11.7023, -73.4373</a>
Hunter-Lab	<a href="#">54.8467, -39.1462, 20.3503</a>

# Details

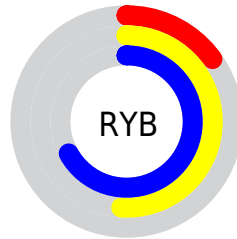
The Hex color **27AA63** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA276E**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **69E297**, and **007433** is the 20% darker color. If you saturate the color by 10%, you get **16AA5A**, and if you desaturate by 10%, it is **38AA6C**.

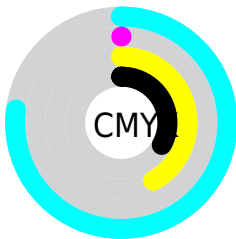
# Distribution



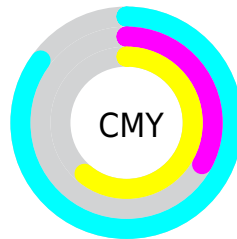
- Red (15%)
- Green (67%)
- Blue (39%)



- Red (15%)
- Yellow (51%)
- Blue (67%)



- Cyan (77%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)



- Cyan (85%)
- Magenta (33%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27AA63 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 27AA63 by changing the saturation by 10% instead.



 27AA63

 27AA63

FFFFFF

 008F4B

 69E297

 007433

 86FFB1

 005B1C

 A4FFCD

 004204

 C1FFE9

 002C00

 DFFFFFF

 000C00

FDFFFF

 000000

 27AA63

 27AA63

 16AA5A

 38AA6C

■ 05AA51

■ 49AA75

■ 00AA4E

■ 5AAA7F

■ 6BAA88

■ 7CAA91

■ 8DAA9A

■ 9EAAA3

■ AFAAAD

■ C0AAB6

# Harmonies

## Analogous

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



79A238



27AA63



00AE97

# Triad

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



27AA63



0F9AFB



EE6D62

# Complementary

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



27AA63



AA276E

# 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.



F06694



27AA63



9B86EC

# Square

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



27AA63



00A7EE



D671C6



D5813A

# Rectangle

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



27AA63



00AEBA



D671C6



F26972



# Sweetspot

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



27AA63



ABDEC2



6FAA27



51705F



F0F0F0



707070



# Same Dimension

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



27AA63



12DE6F



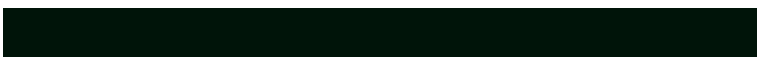
27AAA3



4C5450



009444



001409



# Inverse Universe

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



AA276E



DE1280



AA272E



544C50



940050



14000B



# Previews

## White Background



This preview shows how the Hex color 27AA63 looks on a white background.

## Color Contrast Check

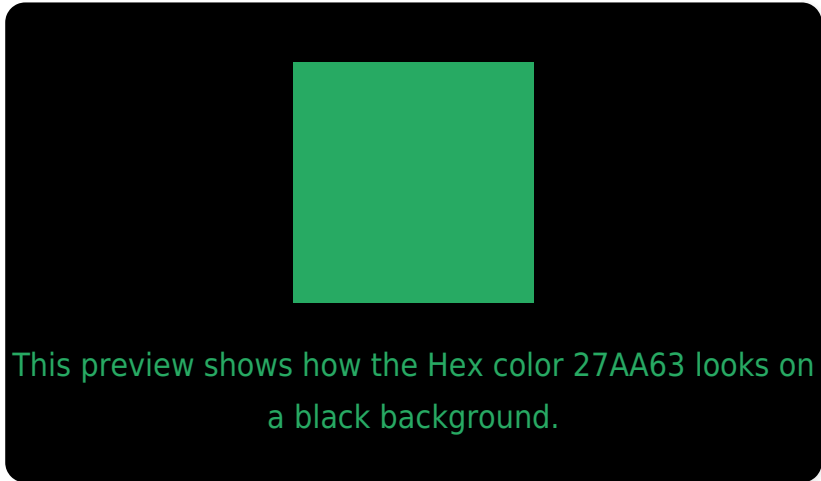
Large Text (above 18pt) WCAG AA × Fail

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

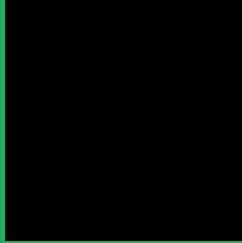
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 27AA63 Background



This preview shows how black text looks on a background with the Hex color 27AA63.

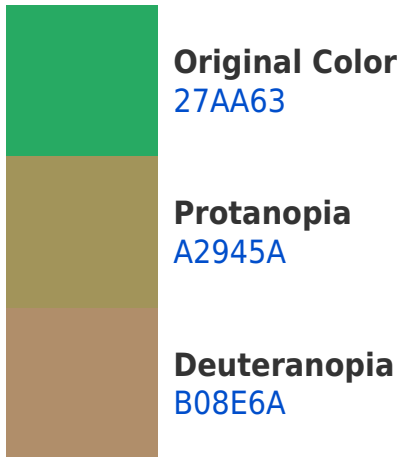


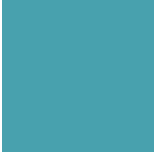
This preview shows how white text looks on a background with the Hex color 27AA63.

# 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**  
48A1AE

# Trichromacy



**Original Color**  
27AA63



**Protanomaly**  
759C5D



**Deuteranomaly**  
7E9867



**Tritanomaly**  
3CA493

# Monochromacy



**Original Color**  
27AA63



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
5C8C72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27AA63 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 #27AA63 looks like.

```
.text, #text, p{  
    color:#27AA63  
}
```

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 #27AA63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27AA63
}
```

## Border

The CSS property to change the border of an element to Hex 27AA63 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
#27AA63 }
```

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

```
.border{ border-color:#27AA63 }
```

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

Here you see how a box with a 4 pixel #27AA63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27AA63; -webkit-box-shadow:4px 4px  
4px 4px #27AA63; box-shadow:4px 4px 4px  
4px #27AA63 }
```

# Background

The CSS property to change the background color of an element to Hex 27AA63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27AA63 }
```

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

```
.background{ background-color:#27AA63 }
```

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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