

# Converting Colors

Hex(2A863E)

Have a look what the booklet for  
Hex(2A863E) contains.

<b>Hex(2A863E)</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(2A863E)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A863E
RGB	42, 134, 62
RGB Percent	16%, 53%, 24%
CMY	0.8353, 0.4745, 0.7569
CMYK	0.69, 0.00, 0.54, 0.47
HSL	133°, 52%, 35%
HSV	133°, 69%, 53%
XYZ	10.3494, 17.8902, 7.4651
YIQ	98.2840, -31.7200, -41.8960

# Conversions

## Conversions Part 2

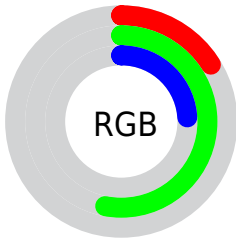
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 118, 134
Decimal	2786878
CIELab	49.36, -42.98, 30.84
CIELCh	49, 52.894, 144.338
Yxy	17.8902, 0.2899, 0.5011
Android (android.graphics.Color)	4280976958 (0xFF2A863E)
YUV	98.2840, -17.8880, -49.3611
Hunter-Lab	42.2969, -30.3431, 19.1435

# Details

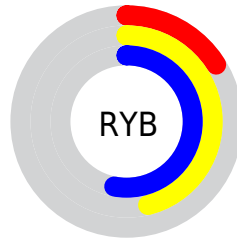
The Hex color **2A863E** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **862A72**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **64BC6F**, and **00530F** is the 20% darker color. If you saturate the color by 10%, you get **1D8634**, and if you desaturate by 10%, it is **378648**.

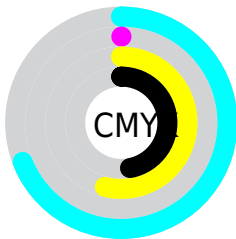
# Distribution



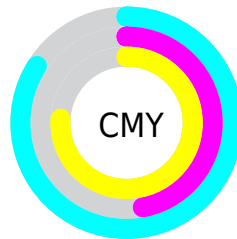
- Red (16%)
- Green (53%)
- Blue (24%)



- Red (16%)
- Yellow (46%)
- Blue (53%)



- Cyan (69%)
- Magenta (0%)
- Yellow (54%)
- Black (47%)



- Cyan (84%)
- Magenta (47%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A863E 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 2A863E by changing the saturation by 10% instead.



 2A863E

 2A863E

FFFFFF

 006C26

 64BC6F

 00530F

 7FD889

 003B00

 9BF5A4

 002600

 B7FFBF

 000000

 D4FFDB

 F2FFF8

 2A863E

 2A863E

 1D8634

 378648

■ 0F8629

■ 458653

■ 02861F

■ 52865D

■ 00861D

■ 608668

■ 6D8672

■ 7A867D

■ 888687

■ 958692

■ A3869C

# Harmonies

## Analogous

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



687E19



2A863E



008A6B

# Triad

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



2A863E



007DCF



C54E53

# Complementary

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



2A863E



862A72

# 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.



C14B80



2A863E



656DC8

# Square

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



2A863E



0087BE



A359AA



B45E2C

# Rectangle

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



2A863E



008B8A



A359AA



C64A62



# Sweetspot

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



2A863E



89AD91



72862A



415746



D6D6D6



575757



# Same Dimension

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



2A863E



1FAD3E



2A866C



3C423D



00821C



000301



# Inverse Universe

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



862A72



AD1F8E



862A44



423C41



820066



030002



# Previews

## White Background



This preview shows how the Hex color 2A863E looks on a white background.

## Color Contrast Check

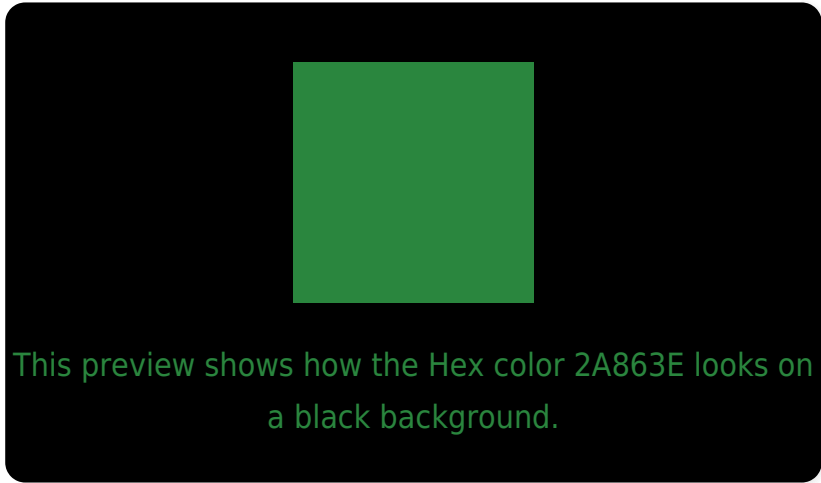
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 2A863E Background



This preview shows how black text looks on a background with the Hex color 2A863E.



This preview shows how white text looks on a background with the Hex color 2A863E.

# 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**  
2A863E

**Protanopia**  
817538

**Deuteranopia**  
8E6F44



**Tritanopia**  
417E88

# Trichromacy



**Original Color**  
2A863E

**Protanomaly**  
617B3A

**Deuteranomaly**  
6A7742

**Tritanomaly**  
39816D

# Monochromacy



**Original Color**  
2A863E

**Achromatopsia**  
626262

**Achromatomaly**  
4E6F55

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A863E 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 #2A863E looks like.

```
.text, #text, p{  
    color:#2A863E  
}
```

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 #2A863E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A863E
}
```

## Border

The CSS property to change the border of an element to Hex 2A863E is called "border". The border property can be set on classes, ids or directly on the HTML element.

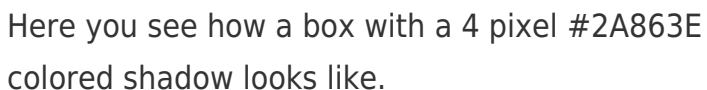
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A863E }
```

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

```
.border{ border-color:#2A863E }
```

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



Here you see how a box with a 4 pixel #2A863E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A863E; -webkit-box-shadow:4px 4px  
4px 4px #2A863E; box-shadow:4px 4px 4px  
4px #2A863E }
```

# Background

The CSS property to change the background color of an element to Hex 2A863E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A863E }
```

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

```
.background{ background-color:#2A863E }
```

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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