

Converting Colors

Hex(2A8845)

Have a look what the booklet for
Hex(2A8845) contains.

Hex(2A8845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2A8845)

Conversions

Conversions Part 1

Format	Color
Hex	2A8845
RGB	42, 136, 69
RGB Percent	16%, 53%, 27%
CMY	0.8353, 0.4667, 0.7294
CMYK	0.69, 0.00, 0.49, 0.47
HSL	137°, 53%, 35%
HSV	137°, 69%, 53%
XYZ	10.8332, 18.5302, 8.6359
YIQ	100.2560, -34.5170, -40.7650

Conversions

Conversions Part 2

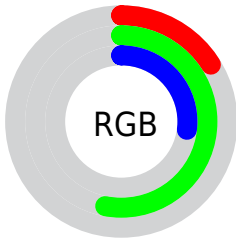
Format	Color
RYB	42, 115, 136
Decimal	2787397
CIELab	50.13, -42.63, 28.09
CIElCh	50, 51.055, 146.617
Yxy	18.5302, 0.2851, 0.4876
Android (android.graphics.Color)	4280977477 (0xFF2A8845)
YUV	100.2560, -15.4092, -51.0905
Hunter-Lab	43.0468, -30.4104, 18.2381

Details

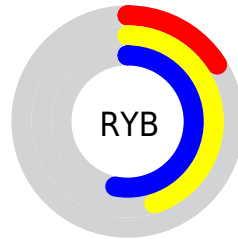
The Hex color **2A8845** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **882A6D**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **64BE76**, and **005517** is the 20% darker color. If you saturate the color by 10%, you get **1C883B**, and if you desaturate by 10%, it is **38884F**.

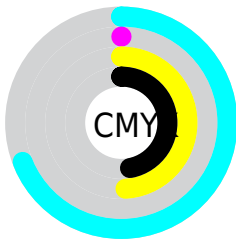
Distribution



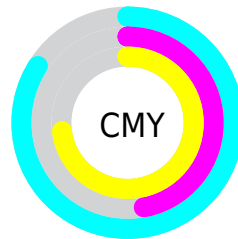
- Red (16%)
- Green (53%)
- Blue (27%)



- Red (16%)
- Yellow (45%)
- Blue (53%)



- Cyan (69%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)



- Cyan (84%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A8845 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 2A8845 by changing the saturation by 10% instead.

 2A8845

 2A8845

FFFFFF

 006E2E

 64BE76

 005517

 7FDA90

 003D00

 9BF7AB

 002800

 B8FFC7

 000100

 D5FFE3

 000000

 F2FFFF

 2A8845

 2A8845

 1C883B

 38884F

■ 0F8832

■ 458858

■ 018828

■ 538862

■ 008827

■ 60886C

■ 6E8875

■ 7C887F

■ 898889

■ 978893

■ A4889C

Harmonies

Analogous

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



688022



2A8845



008C71

Triad

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



2A8845



007ECE



C45253

Complementary

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



2A8845



882A6D

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.



C24E7E



2A8845



6F6EC5

Square

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



2A8845



0088BF



A75BA8



B2622E

Rectangle

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



2A8845



008C8F



A75BA8



C64F61

Sweetspot

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



2A8845



8BB096



6D882A



435949



D9D9D9



595959

Same Dimension

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



2A8845



1EB048



2A8874



3E4540



008526



000501

Inverse Universe

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



882A6D



B01E86



882A3E



453E43



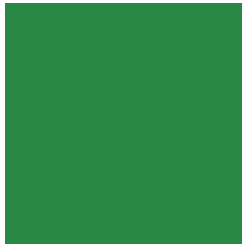
85005F



050004

Previews

White Background



This preview shows how the Hex color 2A8845 looks on a white background.

Color Contrast Check

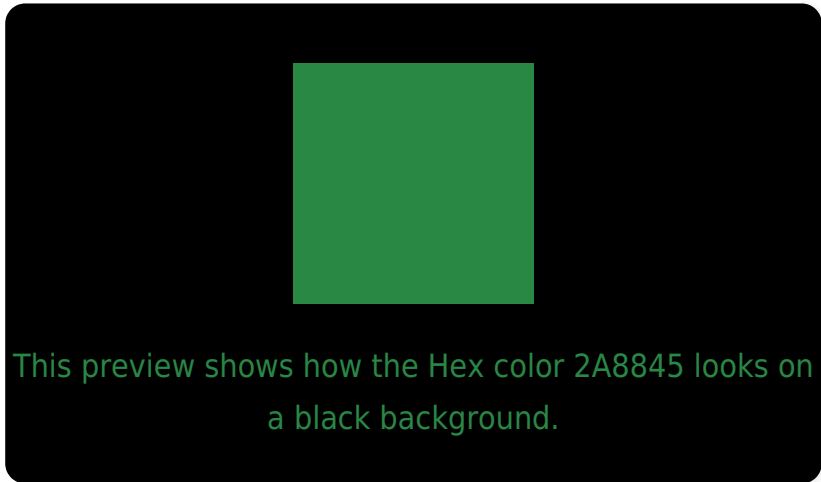
Large Text (above 18pt) WCAG AA ✓ Pass

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

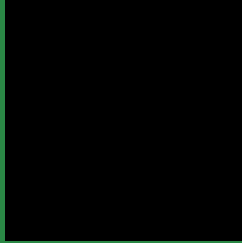
Any Text WCAG AA ✓ Pass

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 2A8845 Background



This preview shows how black text looks on a background with the Hex color 2A8845.



This preview shows how white text looks on a background with the Hex color 2A8845.

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
2A8845

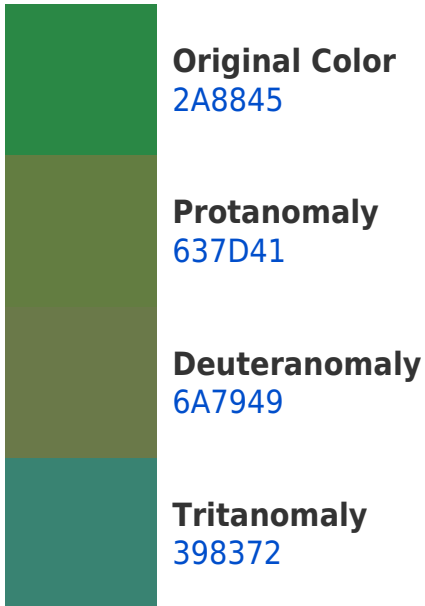
Protanopia
83773F

Deuteranopia
8F714B



Tritanopia
41808B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2A8845 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 #2A8845 looks like.

```
.text, #text, p{  
    color:#2A8845  
}
```

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 #2A8845 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A8845  
}
```

Border

The CSS property to change the border of an element to Hex 2A8845 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  
#2A8845 }
```

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

```
.border{ border-color:#2A8845 }
```

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

Here you see how a box with a 4 pixel #2A8845 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A8845; -webkit-box-shadow:4px 4px  
4px 4px #2A8845; box-shadow:4px 4px 4px  
4px #2A8845 }
```

Background

The CSS property to change the background color of an element to Hex 2A8845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A8845 }
```

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

```
.background{ background-color:#2A8845 }
```

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