

Converting Colors

Hex(2A8733)

Have a look what the booklet for
Hex(2A8733) contains.

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Color

Hex(2A8733)

Conversions

Conversions Part 1

Format	Color
Hex	2A8733
RGB	42, 135, 51
RGB Percent	16%, 53%, 20%
CMY	0.8353, 0.4706, 0.8000
CMYK	0.69, 0.00, 0.62, 0.47
HSL	126°, 53%, 35%
HSV	126°, 69%, 53%
XYZ	10.2164, 18.0592, 6.0793
YIQ	97.6170, -28.4640, -45.8400

Conversions

Conversions Part 2

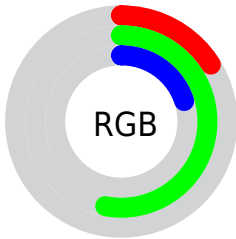
Format	Color
RYB	42, 127, 135
Decimal	2787123
CIELab	49.57, -44.89, 36.61
CIELCh	50, 57.922, 140.802
Yxy	18.0592, 0.2974, 0.5257
Android (android.graphics.Color)	4280977203 (0xFF2A8733)
YUV	97.6170, -22.9822, -48.7761
Hunter-Lab	42.4961, -31.4556, 21.2656

Details

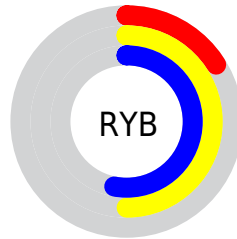
The Hex color **2A8733** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **872A7E**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **64BD65**, and **005400** is the 20% darker color. If you saturate the color by 10%, you get **1C8727**, and if you desaturate by 10%, it is **37873F**.

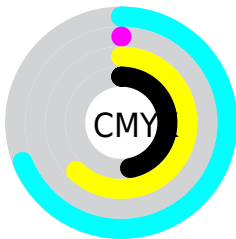
Distribution



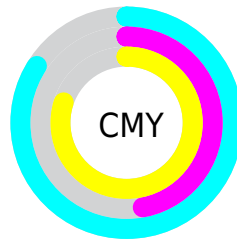
- Red (16%)
- Green (53%)
- Blue (20%)



- Red (16%)
- Yellow (50%)
- Blue (53%)



- Cyan (69%)
- Magenta (0%)
- Yellow (62%)
- Black (47%)



- Cyan (84%)
- Magenta (47%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A8733 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 2A8733 by changing the saturation by 10% instead.

 2A8733

 2A8733

FFFFFF

 006D1A

 64BD65

 005400

 80D97E

 003C00

 9CF699

 002700

 B9FFB4

 000000

 D5FFD0

 F3FFED

 2A8733

 2A8733

 1C8727

 37873F

■ 0F871B

■ 45874B

■ 01870E

■ 528758

■ 00870D

■ 608764

■ 6E8770

■ 7B877C

■ 898788

■ 968795

■ A387A1

Harmonies

Analogous

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



6D7E01



2A8733



008C65

Triad

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



2A8733



0080D7



CD4656

Complementary

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



2A8733



872A7E

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.



C64587



2A8733



566FD2

Square

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



2A8733



0089C1



A259B5



BC5929

Rectangle

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



2A8733



008D87



A259B5



CE4366

Sweetspot

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



2A8733



8BB08F



7F872A



435945



D9D9D9



595959

Same Dimension

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



2A8733



1EB02C



2A8760



3C423C



00820D



000300

Inverse Universe

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



872A7E



B01EA2



872A51



423C42



820075



030002

Previews

White Background



This preview shows how the Hex color 2A8733 looks on a white background.

Color Contrast Check

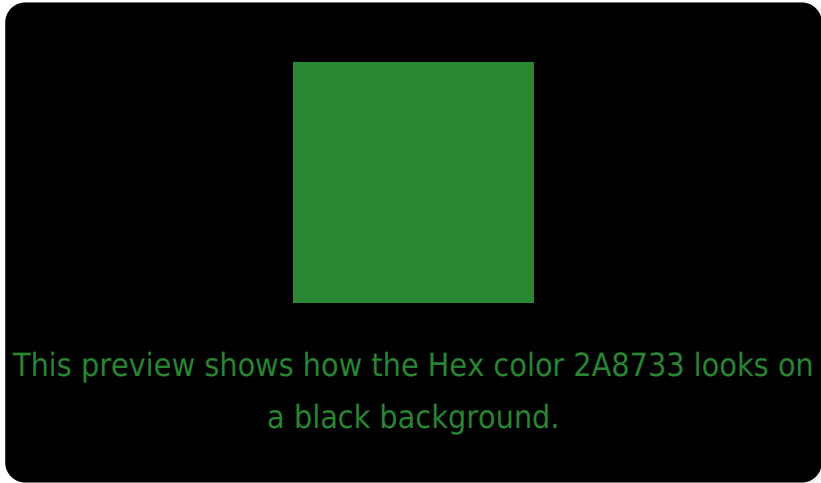
Large Text (above 18pt) WCAG AA ✓ Pass

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

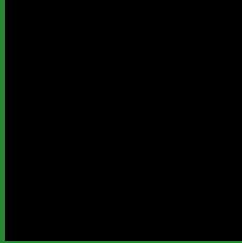
Any Text WCAG AA ✓ Pass

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 2A8733 Background



This preview shows how black text looks on a background with the Hex color 2A8733.



This preview shows how white text looks on a background with the Hex color 2A8733.

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
2A8733

Protanopia
83752E

Deuteranopia
90703A



Tritanopia
427E89

Trichromacy



Original Color
2A8733



Protanomaly
637C30



Deuteranomaly
6B7837



Tritanomaly
39816A

Monochromacy



Original Color
2A8733



Achromatopsia
626262



Achromatomaly
4E6F51

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A8733 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 #2A8733 looks like.

```
.text, #text, p{  
    color:#2A8733  
}
```

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 #2A8733 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A8733
}
```

Border

The CSS property to change the border of an element to Hex 2A8733 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
#2A8733 }
```

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

```
.border{ border-color:#2A8733 }
```

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

Here you see how a box with a 4 pixel #2A8733 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A8733; -webkit-box-shadow:4px 4px  
4px 4px #2A8733; box-shadow:4px 4px 4px  
4px #2A8733 }
```

Background

The CSS property to change the background color of an element to Hex 2A8733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A8733 }
```

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

```
.background{ background-color:#2A8733 }
```

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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