

Converting Colors

Hex(2A8458)

Have a look what the booklet for
Hex(2A8458) contains.

Hex(2A8458)	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(2A8458)

Conversions

Conversions Part 1

Format	Color
Hex	2A8458
RGB	42, 132, 88
RGB Percent	16%, 52%, 35%
CMY	0.8353, 0.4824, 0.6549
CMYK	0.68, 0.00, 0.33, 0.48
HSL	151°, 52%, 34%
HSV	151°, 68%, 52%
XYZ	10.9676, 17.6993, 12.0708
YIQ	100.0740, -39.5160, -32.7640

Conversions

Conversions Part 2

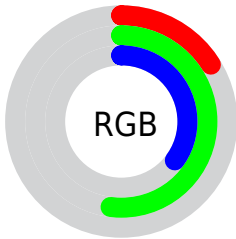
Format	Color
RYB	42, 102, 132
Decimal	2786392
CIELab	49.13, -37.31, 16.21
CIELCh	49, 40.679, 156.509
Yxy	17.6993, 0.2692, 0.4345
Android (android.graphics.Color)	4280976472 (0xFF2A8458)
YUV	100.0740, -5.9525, -50.9309
Hunter-Lab	42.0706, -27.0896, 12.4381

Details

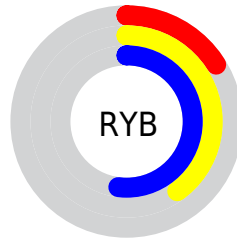
The Hex color **2A8458** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **842A56**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **63BA8A**, and **00512A** is the 20% darker color. If you saturate the color by 10%, you get **1D8452**, and if you desaturate by 10%, it is **37845E**.

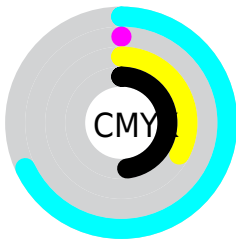
Distribution



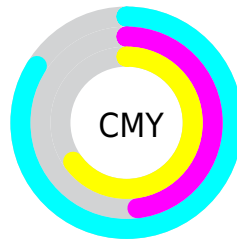
- Red (16%)
- Green (52%)
- Blue (35%)



- Red (16%)
- Yellow (40%)
- Blue (52%)



- Cyan (68%)
- Magenta (0%)
- Yellow (33%)
- Black (48%)



- Cyan (84%)
- Magenta (48%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A8458 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 2A8458 by changing the saturation by 10% instead.



2A8458



2A8458

FFFFFF



006A40



63BA8A



00512A



7ED6A5



003A15



9AF2C0



002500



B6FFDC



000000



D3FFF8



F0FFFF



2A8458



2A8458



1D8452



37845E

■ 10844B

■ 448465

■ 028445

■ 52846B

■ 008443

■ 5F8472

■ 6C8478

■ 79847F

■ 868485

■ 94848C

■ A18492

Harmonies

Analogous

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



5D7F3B



2A8458



00867B

Triad

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



2A8458



4576B9



B15D4E

Complementary

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



2A8458



842A56

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.



B5576F



2A8458



8169AC

Square

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



2A8458



0080B3



A55C91



9F6935

Rectangle

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



2A8458



008692



A55C91



B45A58

Sweetspot

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



2A8458



89AB9A



57842A



42574D



D6D6D6



575757

Same Dimension

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



2A8458



1FAB66



2A8484



3C423F



008242



000301

Inverse Universe

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



842A56



AB1F63



842A2A



423C3F



820040



030001

Previews

White Background



This preview shows how the Hex color 2A8458 looks on a white background.

Color Contrast Check

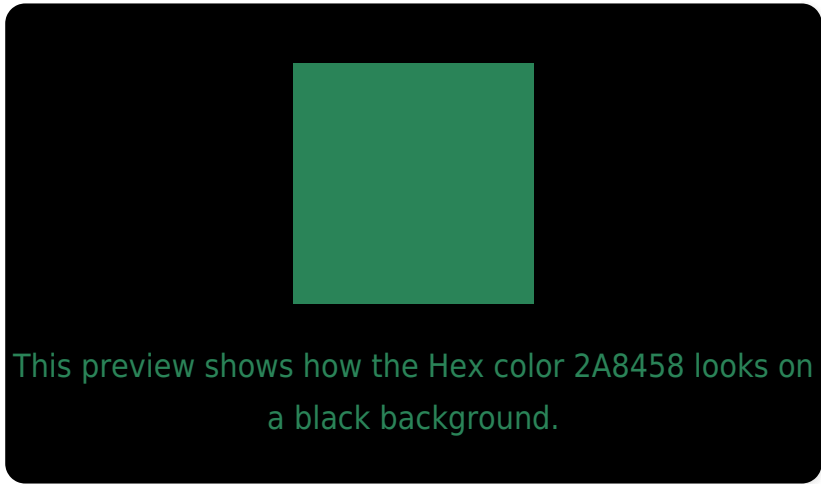
Large Text (above 18pt) WCAG AA ✓ Pass

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

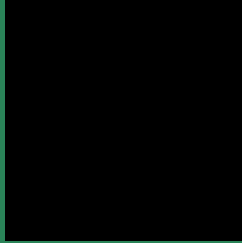
Any Text WCAG AA ✓ Pass

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 2A8458 Background



This preview shows how black text looks on a background with the Hex color 2A8458.



This preview shows how white text looks on a background with the Hex color 2A8458.

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
2A8458

Protanopia
7D7451

Deuteranopia
876F5D



Tritanopia
3C7E88

Trichromacy



Original Color
2A8458



Protanomaly
5F7A54



Deuteranomaly
65775B



Tritanomaly
358077

Monochromacy



Original Color
2A8458



Achromatopsia
646464



Achromatomaly
4F7060

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A8458 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 #2A8458 looks like.

```
.text, #text, p{  
    color:#2A8458  
}
```

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 #2A8458 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A8458
}
```

Border

The CSS property to change the border of an element to Hex 2A8458 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".

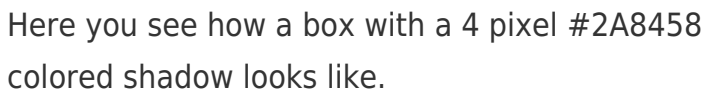
```
.border, #border, table{ border:4px solid
#2A8458 }
```

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

```
.border{ border-color:#2A8458 }
```

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

Here you see how a box with a 4 pixel #2A8458 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A8458; -webkit-box-shadow:4px 4px  
4px 4px #2A8458; box-shadow:4px 4px 4px  
4px #2A8458 }
```

Background

The CSS property to change the background color of an element to Hex 2A8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A8458 }
```

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

```
.background{ background-color:#2A8458 }
```

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