

# Converting Colors

Hex(2A8254)

Have a look what the booklet for  
Hex(2A8254) contains.

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# Color

Hex(2A8254)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A8254
RGB	42, 130, 84
RGB Percent	16%, 51%, 33%
CMY	0.8353, 0.4902, 0.6706
CMYK	0.68, 0.00, 0.35, 0.49
HSL	149°, 51%, 34%
HSV	149°, 68%, 51%
XYZ	10.5377, 17.0976, 11.1323
YIQ	98.4440, -37.6820, -32.9620

# Conversions

## Conversions Part 2

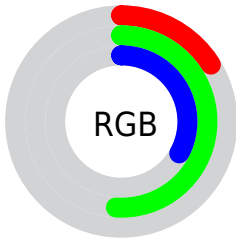
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 102, 130
Decimal	2785876
CIELab	48.38, -37.31, 17.48
CIELCh	48, 41.206, 154.892
Yxy	17.0976, 0.2718, 0.4410
Android (android.graphics.Color)	4280975956 (0xFF2A8254)
YUV	98.4440, -7.1209, -49.5014
Hunter-Lab	41.3492, -26.8711, 12.9821

# Details

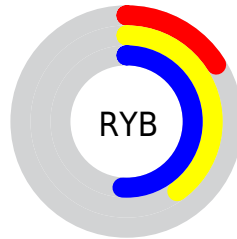
The Hex color **2A8254** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **822A58**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **62B886**, and **005026** is the 20% darker color. If you saturate the color by 10%, you get **1D824D**, and if you desaturate by 10%, it is **37825B**.

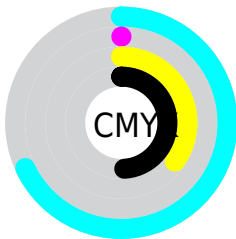
# Distribution



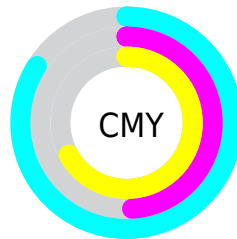
- Red (16%)
- Green (51%)
- Blue (33%)



- Red (16%)
- Yellow (40%)
- Blue (51%)



- Cyan (68%)
- Magenta (0%)
- Yellow (35%)
- Black (49%)



- Cyan (84%)
- Magenta (49%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A8254 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 2A8254 by changing the saturation by 10% instead.





2A8254



2A8254

FFFFFF



00683D



62B886



005026



7ED4A0



003811



99F0BB



002400



B5FFD7



000000



D2FFF3



FFFFFF



2A8254



2A8254



1D824D



37825B

■ 108246

■ 448262

■ 038240

■ 518268

■ 00823E

■ 5E826F

■ 6B8276

■ 78827D

■ 858284

■ 92828A

■ 9F8291

# Harmonies

## Analogous

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



5D7C37



2A8254



008478

# Triad

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



2A8254



3C75B8



B05A4D

# Complementary

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



2A8254



822A58

# 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.



B3546F



2A8254



7D67AC

# Square

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



2A8254



007EB1



A25A91



9E6633

# Rectangle

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



2A8254



00848F



A25A91



B35758



# Sweetspot

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



2A8254



87A897



59822A



40544A



D4D4D4



545454



# Same Dimension

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



2A8254



20A861



2A827F



39403C



00803D



000000



# Inverse Universe

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



822A58



A82067



822A2D



40393D



800043



000000



# Previews

## White Background



This preview shows how the Hex color 2A8254 looks on a white background.

## Color Contrast Check

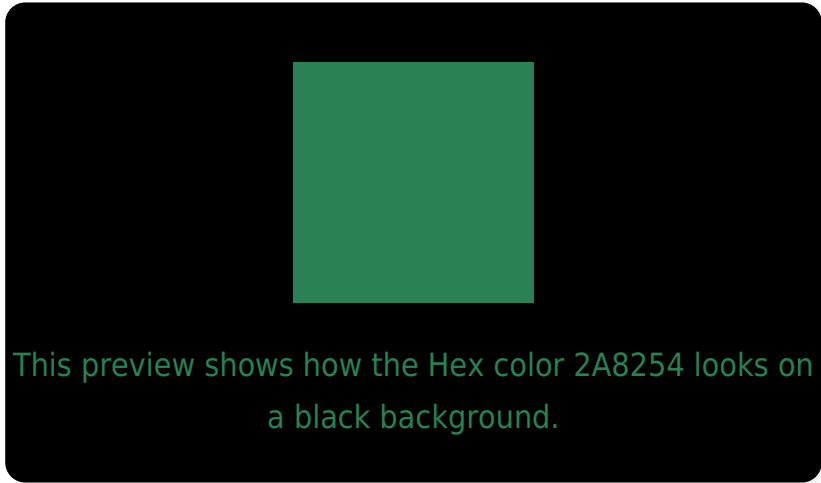
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A8254 Background



This preview shows how black text looks on a background with the Hex color 2A8254.



This preview shows how white text looks on a background with the Hex color 2A8254.

# 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**  
2A8254

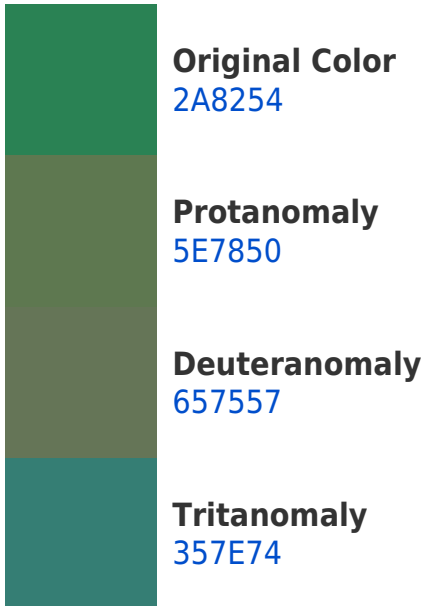
**Protanopia**  
7C724D

**Deuteranopia**  
866E59

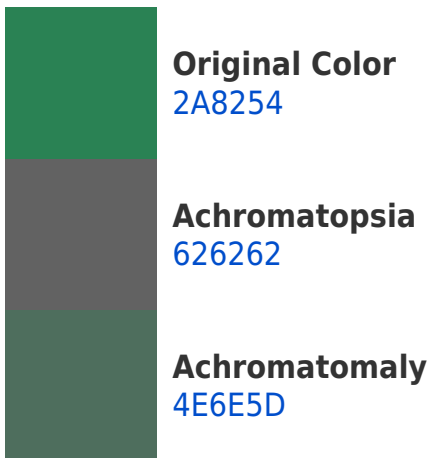


**Tritanopia**  
3C7C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A8254 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 #2A8254 looks like.

```
.text, #text, p{  
    color:#2A8254  
}
```

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 #2A8254 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A8254
}
```

## Border

The CSS property to change the border of an element to Hex 2A8254 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".

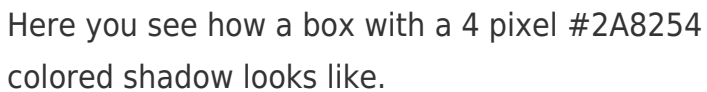
```
.border, #border, table{ border:4px solid
#2A8254 }
```

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

```
.border{ border-color:#2A8254 }
```

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

Here you see how a box with a 4 pixel #2A8254 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A8254; -webkit-box-shadow:4px 4px  
4px 4px #2A8254; box-shadow:4px 4px 4px  
4px #2A8254 }
```

# Background

The CSS property to change the background color of an element to Hex 2A8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A8254 }
```

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

```
.background{ background-color:#2A8254 }
```

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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