

# Converting Colors

Hex(28A154)

Have a look what the booklet for  
Hex(28A154) contains.

<b>Hex(28A154)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(28A154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28A154
RGB	40, 161, 84
RGB Percent	16%, 63%, 33%
CMY	0.8431, 0.3686, 0.6706
CMYK	0.75, 0.00, 0.48, 0.37
HSL	142°, 60%, 39%
HSV	142°, 75%, 63%
XYZ	15.2202, 26.5809, 12.7160
YIQ	116.0430, -47.3990, -49.5990

# Conversions

## Conversions Part 2

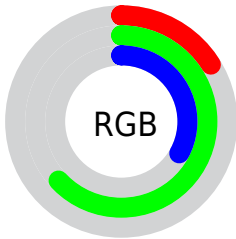
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 129, 161
Decimal	2662740
CIELab	58.58, -49.97, 30.83
CIELCh	59, 58.715, 148.322
Yxy	26.5809, 0.2792, 0.4876
Android (android.graphics.Color)	4280852820 (0xFF28A154)
YUV	116.0430, -15.7972, -66.6897
Hunter-Lab	51.5567, -37.5289, 21.4664

# Details

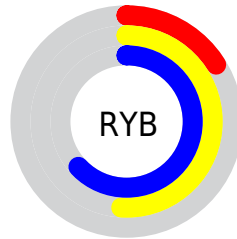
The Hex color **28A154** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A12875**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **68D987**, and **006C24** is the 20% darker color. If you saturate the color by 10%, you get **18A14A**, and if you desaturate by 10%, it is **38A15E**.

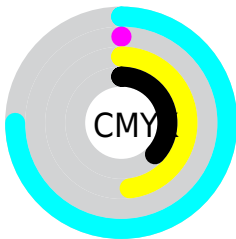
# Distribution



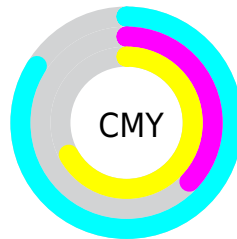
- Red (16%)
- Green (63%)
- Blue (33%)



- Red (16%)
- Yellow (51%)
- Blue (63%)



- Cyan (75%)
- Magenta (0%)
- Yellow (48%)
- Black (37%)



- Cyan (84%)
- Magenta (37%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28A154 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 28A154 by changing the saturation by 10% instead.



 28A154

 28A154


FFFFFF

 00863C

 68D987

 006C24

 85F6A1

 00530C

 A2FFBD

 003A00

 BFFFD9

 002400

 DCFFF5

 000000

 FAFFFF

 28A154

 28A154

 18A14A

 38A15E

 08A140

 48A168

 00A13B

 58A173

 68A17D

 79A187

 89A191

 99A19C

 A9A1A6

 B9A1B0

# Harmonies

## Analogous

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



779829



28A154



00A588

# Triad

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



28A154



0094F4



E7625F

# Complementary

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



28A154



A12875

# 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.



E65C92



28A154



8880E8

# Square

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



28A154



00A0E4



C86AC4



D17534

# Rectangle

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



28A154



00A5AC



C86AC4



EA5D70



# Sweetspot

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



28A154



A1D1B2



77A128



4B6956



E8E8E8



696969



# Same Dimension

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



28A154



15D159



28A18F



49524C



009135



001206



# Inverse Universe

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



A12875



D1158D



A1283A



52494F



91005C



12000B



# Previews

## White Background



This preview shows how the Hex color 28A154 looks on a white background.

## Color Contrast Check

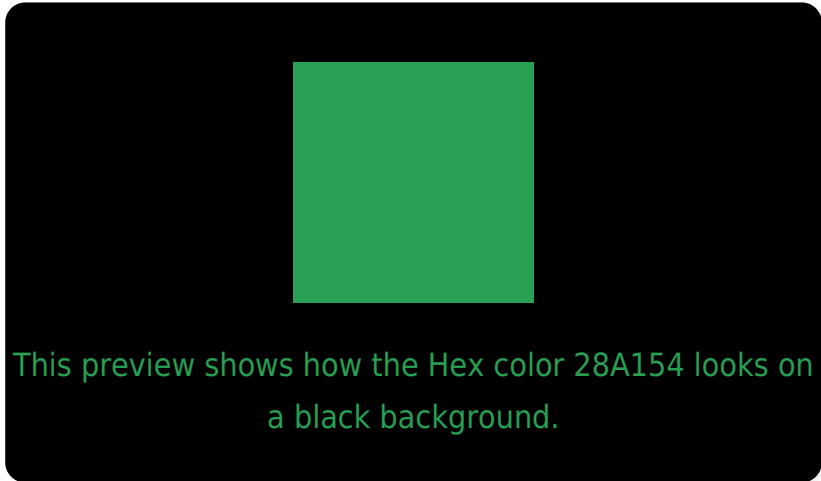
Large Text (above 18pt) WCAG AA ✓ Pass

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 28A154 Background



This preview shows how black text looks on a background with the Hex color 28A154.

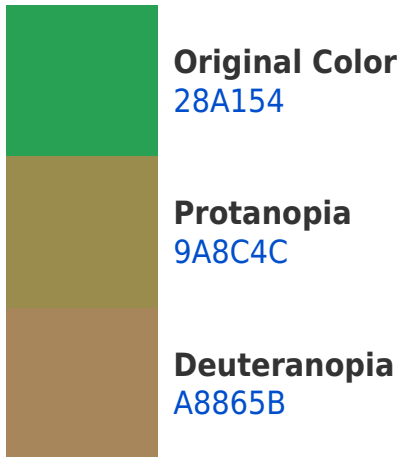


This preview shows how white text looks on a background with the Hex color 28A154.

# 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





**Tritanopia**  
4798A4

# Trichromacy



**Original Color**  
28A154



**Protanomaly**  
71944F



**Deuteranomaly**  
799058



**Tritanomaly**  
3C9B87

# Monochromacy



**Original Color**  
28A154



**Achromatopsia**  
747474



**Achromatomaly**  
588468

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28A154 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 #28A154 looks like.

```
.text, #text, p{  
    color:#28A154  
}
```

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 #28A154 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28A154
}
```

## Border

The CSS property to change the border of an element to Hex 28A154 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
#28A154 }
```

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

```
.border{ border-color:#28A154 }
```

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

Here you see how a box with a 4 pixel #28A154 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28A154; -webkit-box-shadow:4px 4px  
4px 4px #28A154; box-shadow:4px 4px 4px  
4px #28A154 }
```

# Background

The CSS property to change the background color of an element to Hex 28A154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28A154 }
```

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

```
.background{ background-color:#28A154 }
```

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**