

# Converting Colors

Hex(84B451)

Have a look what the booklet for  
Hex(84B451) contains.

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**Color**

**Hex(84B451)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	84B451
RGB	132, 180, 81
RGB Percent	52%, 71%, 32%
CMY	0.4824, 0.2941, 0.6824
CMYK	0.27, 0.00, 0.55, 0.29
HSL	89°, 40%, 51%
HSV	89°, 55%, 71%
XYZ	27.3222, 38.1421, 13.7067
YIQ	154.3620, 3.1710, -40.9650

# Conversions

## Conversions Part 2

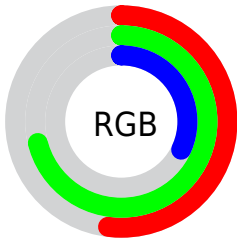
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 180, 129
Decimal	8696913
CIELab	68.13, -32.62, 44.81
CIElCh	68, 55.426, 126.057
Yxy	38.1421, 0.3451, 0.4818
Android (android.graphics.Color)	4286886993 (0xFF84B451)
YUV	154.3620, -36.1675, -19.6115
Hunter-Lab	61.7593, -29.1108, 30.0728

# Details

The Hex color **84B451** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **8151B4**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **BBEC85**, and **4F7F1D** is the 20% darker color. If you saturate the color by 10%, you get **7BB43F**, and if you desaturate by 10%, it is **8DB463**.

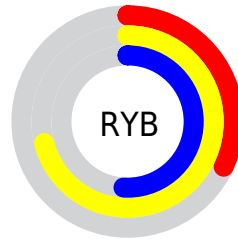
# Distribution



Red (52%)

Green (71%)

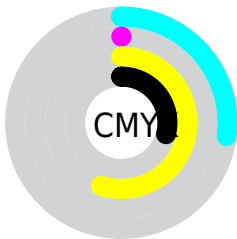
Blue (32%)



Red (32%)

Yellow (71%)

Blue (51%)

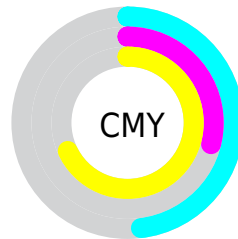


Cyan (27%)

Magenta (0%)

Yellow (55%)

Black (29%)



Cyan (48%)

Magenta (29%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 84B451 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 84B451 by changing the saturation by 10% instead.





84B451



84B451

FFFFFF



699938



BBEC85



4F7F1D



D8FFA0



356600



F5FFBC



1A4D00



FFFFD8



003600



FFFFF5



002200



000000



84B451



84B451



7BB43F



8DB463

 73B42D

 95B475

 6AB41B

 9EB487

 61B409

 A7B499

 5DB400

 B0B4AB

 B8B4BD

 C1B4CF

 CAB4E1

 D3B4F3

# Harmonies

## Analogous

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



B9A73D



84B451



36BC7C

# Triad

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



84B451



00B6FF



FF7A9E

# Complementary

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



84B451



8151B4

# 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.



EB82D0



84B451



5AA8FF

# Square

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



84B451



00BDE0



B695F7



FD836E

# Rectangle

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



84B451



00BE9E



B695F7



FE7BAF



# Sweetspot

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



84B451



D7EBC3



B48151



6A755E



F5F5F5



757575



# Same Dimension

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



84B451



A0EB50



53B451



555950



4F9900



0D1A00



# Inverse Universe

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



8151B4



9B50EB



B251B4



555059



4A0099



0C001A



# Previews

## White Background



This preview shows how the Hex color 84B451 looks on a white background.

## Color Contrast Check

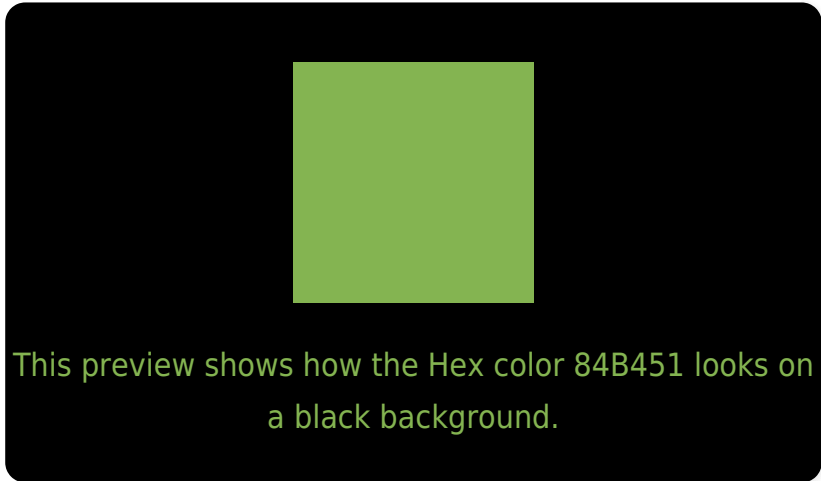
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex 84B451 Background



This preview shows how black text looks on a background with the Hex color 84B451.

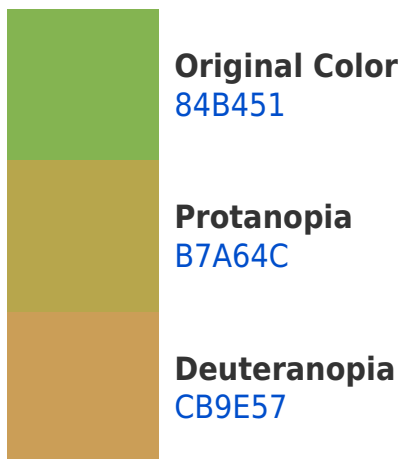


This preview shows how white text looks on a background with the Hex color 84B451.

# 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**  
92A9B7

# Trichromacy



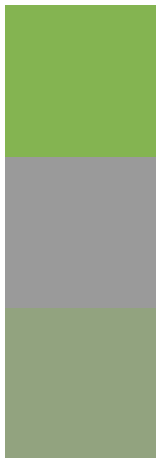
**Original Color**  
84B451

**Protanomaly**  
A4AB4E

**Deuteranomaly**  
B1A655

**Tritanomaly**  
8DAD92

# Monochromacy



**Original Color**  
84B451

**Achromatopsia**  
9A9A9A

**Achromatomaly**  
92A37F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 84B451 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 #84B451 looks like.

```
.text, #text, p{  
    color:#84B451  
}
```

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 #84B451 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #84B451
}
```

## Border

The CSS property to change the border of an element to Hex 84B451 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
#84B451 }
```

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

```
.border{ border-color:#84B451 }
```

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

Here you see how a box with a 4 pixel #84B451 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #84B451; -webkit-box-shadow:4px 4px  
4px 4px #84B451; box-shadow:4px 4px 4px  
4px #84B451 }
```

# Background

The CSS property to change the background color of an element to Hex 84B451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#84B451 }
```

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

```
.background{ background-color:#84B451 }
```

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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