

# Converting Colors

Hex(83B272)

Have a look what the booklet for  
Hex(83B272) contains.

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# **Color**

**Hex(83B272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83B272
RGB	131, 178, 114
RGB Percent	51%, 70%, 45%
CMY	0.4863, 0.3020, 0.5529
CMYK	0.26, 0.00, 0.36, 0.30
HSL	104°, 29%, 57%
HSV	104°, 36%, 70%
XYZ	28.3177, 37.8810, 21.7388
YIQ	156.6510, -7.4680, -29.8680

# Conversions

## Conversions Part 2

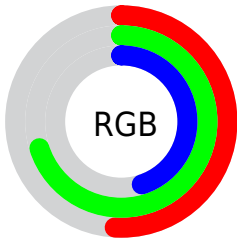
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 178, 161
Decimal	8630898
CIELab	67.93, -27.83, 27.82
CIELCh	68, 39.352, 135.015
Yxy	37.8810, 0.3220, 0.4308
Android (android.graphics.Color)	4286820978 (0xFF83B272)
YUV	156.6510, -21.0269, -22.4959
Hunter-Lab	61.5475, -25.5812, 22.1418

# Details

The Hex color **83B272** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A172B2**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **B9EAA6**, and **507D41** is the 20% darker color. If you saturate the color by 10%, you get **76B260**, and if you desaturate by 10%, it is **90B284**.

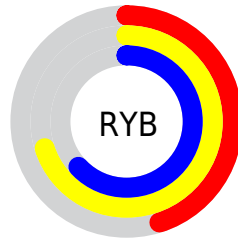
# Distribution



Red (51%)

Green (70%)

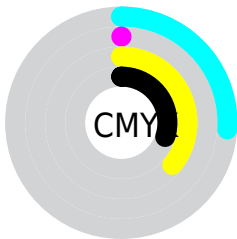
Blue (45%)



Red (45%)

Yellow (70%)

Blue (63%)

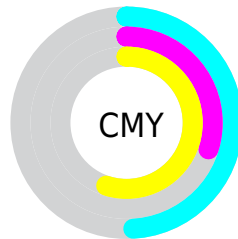


Cyan (26%)

Magenta (0%)

Yellow (36%)

Black (30%)



Cyan (49%)

Magenta (30%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B272 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 83B272 by changing the saturation by 10% instead.





83B272



83B272

FFFFFF



699759



B9EAA6



507D41



D5FFC2



37642A



F2FFDE



1E4C13



FFFFFFB



053400



002100



000000



83B272



83B272



76B260



90B284

 69B24E

 9DB296

 5CB23D

 AAB2A7

 4FB22B

 B7B2B9

 42B219

 C4B2CB

 35B207

 D1B2DD

 2FB200

 DFB2EF

 ECB2FF

 F9B2FF

# Harmonies

## Analogous

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



ABA960



83B272



54B792

# Triad

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



83B272



4DAEEA



EB8A95

# Complementary

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



83B272



A172B2

# 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.



DF8CB9



83B272



8EA3EA

# Square

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



83B272



00B6D7



C096D8



E39175

# Rectangle

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



83B272



2BB8AB



C096D8



E989A1



# Sweetspot

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



83B272



D5E8CF



B2A172



6A7566



F5F5F5



757575



# Same Dimension

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



83B272



9FE884



72B281



535950



299900



071A00



# Inverse Universe

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



A172B2



CE84E8



B272A3



575059



700099



13001A



# Previews

## White Background



This preview shows how the Hex color 83B272 looks on a white background.

## Color Contrast Check

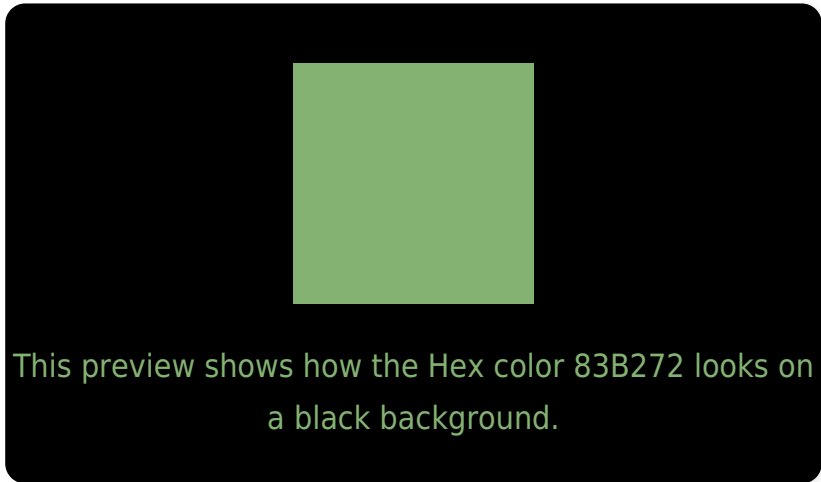
Large Text (above 18pt) WCAG AA × Fail

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

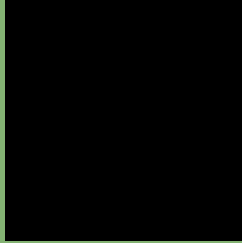
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83B272 Background



This preview shows how black text looks on a background with the Hex color 83B272.

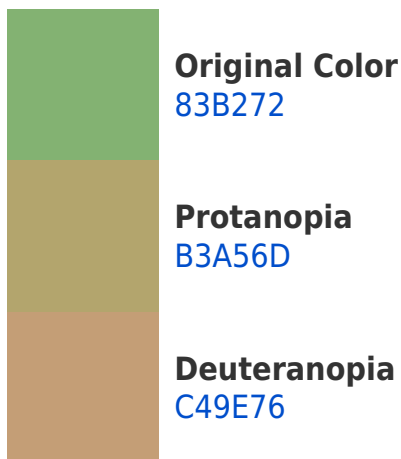


This preview shows how white text looks on a background with the Hex color 83B272.

# 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](#).

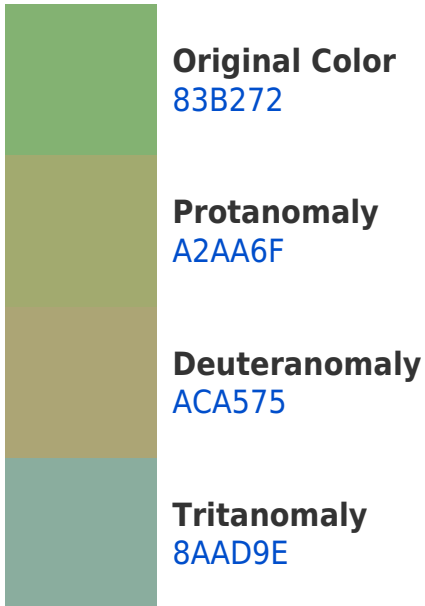
## Dichromacy



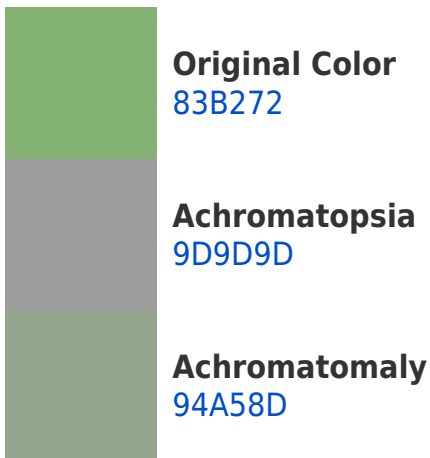


**Tritanopia**  
8EAAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B272 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 #83B272 looks like.

```
.text, #text, p{  
    color:#83B272  
}
```

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 #83B272 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B272
}
```

## Border

The CSS property to change the border of an element to Hex 83B272 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
#83B272 }
```

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

```
.border{ border-color:#83B272 }
```

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

Here you see how a box with a 4 pixel #83B272 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B272; -webkit-box-shadow:4px 4px  
4px 4px #83B272; box-shadow:4px 4px 4px  
4px #83B272 }
```

# Background

The CSS property to change the background color of an element to Hex 83B272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B272 }
```

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

```
.background{ background-color:#83B272 }
```

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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