

# Converting Colors

Hex(83B488)

Have a look what the booklet for  
Hex(83B488) contains.

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# **Color**

**Hex(83B488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83B488
RGB	131, 180, 136
RGB Percent	51%, 71%, 53%
CMY	0.4863, 0.2941, 0.4667
CMYK	0.27, 0.00, 0.24, 0.29
HSL	126°, 25%, 61%
HSV	126°, 27%, 71%
XYZ	30.1253, 39.2454, 29.2799
YIQ	160.3330, -15.0800, -24.0720

# Conversions

## Conversions Part 2

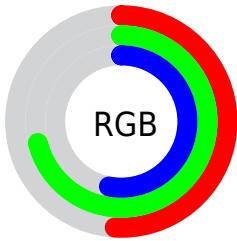
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 175, 180
Decimal	8631432
CIELab	68.93, -25.17, 17.34
CIElCh	69, 30.560, 145.438
Yxy	39.2454, 0.3054, 0.3978
Android (android.graphics.Color)	4286821512 (0xFF83B488)
YUV	160.3330, -11.9962, -25.7250
Hunter-Lab	62.6461, -23.7937, 16.1410

# Details

The Hex color **83B488** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **B483AF**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **B9ECBD**, and **507F56** is the 20% darker color. If you saturate the color by 10%, you get **71B478**, and if you desaturate by 10%, it is **95B498**.

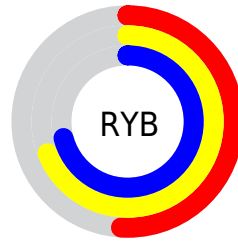
# Distribution



Red (51%)

Green (71%)

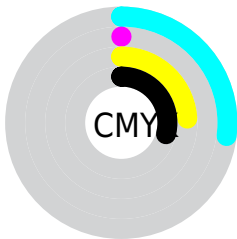
Blue (53%)



Red (51%)

Yellow (69%)

Blue (71%)

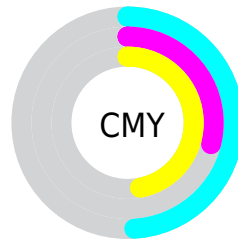


Cyan (27%)

Magenta (0%)

Yellow (24%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B488 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 83B488 by changing the saturation by 10% instead.





83B488



83B488

FFFFFF



69996F



B9ECBD



507F56



D5FFD9



37663F



F2FFF6



1F4D28



043613



002100



000000



83B488



83B488



71B478



95B498

 5FB468

 A7B4A8

 4DB458

 B9B4B8

 3BB447

 CBB4C9

 29B437

 DDB4D9

 17B427

 EFB4E9

 05B417

 FFB4F9

 00B412

 FFB4FF

# Harmonies

## Analogous

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



A3AE76



83B488



63B7A3

# Triad

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



83B488



7DACDF



DF9592

# Complementary

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



83B488



B483AF

# 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.



DB94AE



83B488



A6A3DA

# Square

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



83B488



59B3D5



C799C8



D59C7C

# Rectangle

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



83B488



53B7B6



C799C8



E0949B



# Sweetspot

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



83B488



D8EBDA



AFB483



6A756B



F5F5F5



757575



# Same Dimension

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



83B488



9DEBA5



83B4A0



505951



009910



001A03



# Inverse Universe

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



B483AF



EB9DE3



B48397



595058



990089



1A0017



# Previews

## White Background



This preview shows how the Hex color 83B488 looks on a white background.

## Color Contrast Check

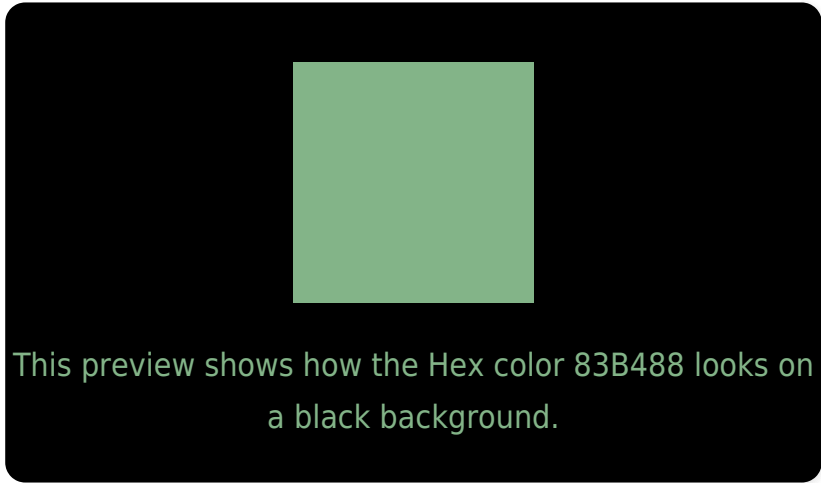
Large Text (above 18pt) WCAG AA × Fail

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

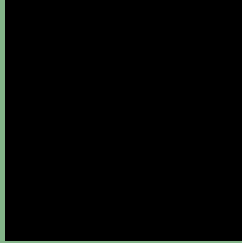
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83B488 Background



This preview shows how black text looks on a background with the Hex color 83B488.

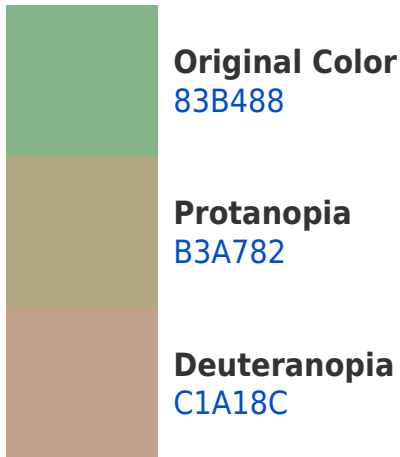


This preview shows how white text looks on a background with the Hex color 83B488.

# 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





# Trichromacy



**Original Color**  
83B488

**Protanomaly**  
A2AC84

**Deuteranomaly**  
AAA88B

**Tritanomaly**  
89B0A8

# Monochromacy



**Original Color**  
83B488

**Achromatopsia**  
A0A0A0

**Achromatomaly**  
95A797

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B488 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 #83B488 looks like.

```
.text, #text, p{  
    color:#83B488  
}
```

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 #83B488 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B488
}
```

## Border

The CSS property to change the border of an element to Hex 83B488 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
#83B488 }
```

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

```
.border{ border-color:#83B488 }
```

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

Here you see how a box with a 4 pixel #83B488 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B488; -webkit-box-shadow:4px 4px  
4px 4px #83B488; box-shadow:4px 4px 4px  
4px #83B488 }
```

# Background

The CSS property to change the background color of an element to Hex 83B488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B488 }
```

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

```
.background{ background-color:#83B488 }
```

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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