

Converting Colors

Hex(83D877)

Have a look what the booklet for
Hex(83D877) contains.

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Color

Hex(83D877)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 83D877 |
| RGB | 131, 216, 119 |
| RGB Percent | 51%, 85%, 47% |
| CMY | 0.4863, 0.1529, 0.5333 |
| CMYK | 0.39, 0.00, 0.45, 0.15 |
| HSL | 113°, 55%, 66% |
| HSV | 113°, 45%, 85% |
| XYZ | 37.2457, 55.2689, 26.1577 |
| YIQ | 179.5270, -19.5230, -48.1870 |

Conversions

Conversions Part 2

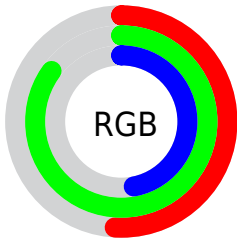
| Format | Color |
|-------------------------------------|--|
| RYB | 119, 216, 204 |
| Decimal | 8640631 |
| CIELab | 79.20, -44.44, 39.80 |
| CIELCh | 79, 59.656, 138.151 |
| Yxy | 55.2689, 0.3139, 0.4657 |
| Android (android.graphics.Color) | 4286830711 (0xFF83D877) |
| YUV | 179.5270, -29.8398, -42.5582 |
| Hunter-Lab | 74.3431, -40.6723, 31.1789 |

Details

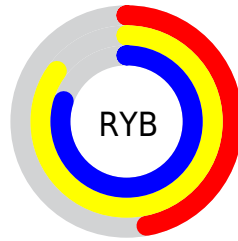
The Hex color **83D877** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **CC77D8**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **BBFFAD**, and **4BA044** is the 20% darker color. If you saturate the color by 10%, you get **70D861**, and if you desaturate by 10%, it is **96D88D**.

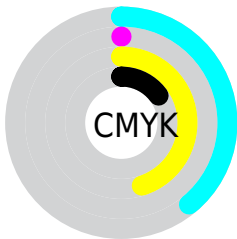
Distribution



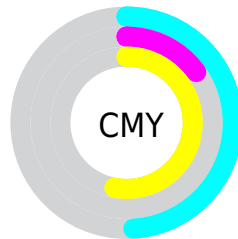
- Red (51%)
- Green (85%)
- Blue (47%)



- Red (47%)
- Yellow (85%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (45%)
- Black (15%)



- Cyan (49%)
- Magenta (15%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83D877 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 83D877 by changing the saturation by 10% instead.

 83D877

 83D877

FFFFFF

 67BC5D

 BBFFAD

 4BA044

 D8FFC8

 2E862B

 F6FFE5

 046C11

 005300

 003B00

 002600

 000000

 83D877

 83D877

 70D861

 96D88D

 5DD84C

 A9D8A2

 4AD836

 BCD8B8

 37D821

 CFD8CD

 24D80B

 E2D8E3

 1BD800

 F5D8F9

 FFD8FF

Harmonies

Analogous

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



C3CC55



83D877



00DFAB

Triad

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



83D877



00D1FF



FF96A5

Complementary

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



83D877



CC77D8

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.



FF97DD



83D877



A3BEFF

Square

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



83D877



00DCFF



F3A8FF



FFA573

Rectangle

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



83D877



00E0D2



F3A8FF



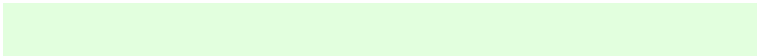
FF94B7

Sweetspot

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



83D877



E2FFDE



D8CB77



6E806B



000000



808080

Same Dimension

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



83D877



86FF75



77D89B



626B60



15AB00



052B00

Inverse Universe

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



CC77D8



EE75FF



D877B4



6A606B



9600AB



26002B

Previews

White Background



This preview shows how the Hex color 83D877 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



This preview shows how the Hex color 83D877 looks on a 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 83D877 Background



This preview shows how black text looks on a background with the Hex color 83D877.

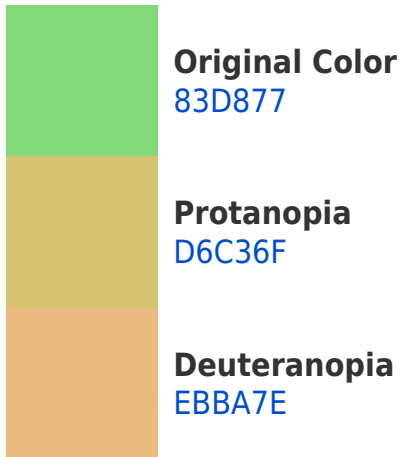


This preview shows how white text looks on a background with the Hex color 83D877.

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
96CCDD

Trichromacy



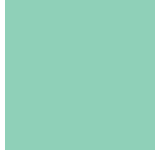
Original Color
83D877



Protanomaly
B8CB72



Deuteranomaly
C5C57B

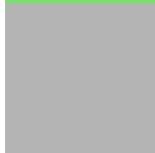


Tritanomaly
8FD0B8

Monochromacy



Original Color
83D877



Achromatopsia
B4B4B4



Achromatomaly
A2C19E

CSS Examples

Text

The CSS property to change the color of the text to Hex 83D877 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 #83D877 looks like.

```
.text, #text, p{  
    color:#83D877  
}
```

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 #83D877 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83D877
}
```

Border

The CSS property to change the border of an element to Hex 83D877 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
#83D877 }
```

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

```
.border{ border-color:#83D877 }
```

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

Here you see how a box with a 4 pixel #83D877 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83D877; -webkit-box-shadow:4px 4px  
4px 4px #83D877; box-shadow:4px 4px 4px  
4px #83D877 }
```

Background

The CSS property to change the background color of an element to Hex 83D877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83D877 }
```

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

```
.background{ background-color:#83D877 }
```

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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