

# Converting Colors

Hex(83D578)

Have a look what the booklet for  
Hex(83D578) contains.

<b>Hex(83D578)</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(83D578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D578
RGB	131, 213, 120
RGB Percent	51%, 84%, 47%
CMY	0.4863, 0.1647, 0.5294
CMYK	0.38, 0.00, 0.44, 0.16
HSL	113°, 53%, 65%
HSV	113°, 44%, 84%
XYZ	36.5445, 53.7699, 26.2218
YIQ	177.8800, -19.0190, -46.3070

# Conversions

## Conversions Part 2

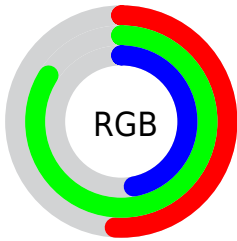
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 213, 202
Decimal	8639864
CIELab	78.33, -43.01, 38.20
CIELCh	78, 57.522, 138.385
Yxy	53.7699, 0.3136, 0.4614
Android (android.graphics.Color)	4286829944 (0xFF83D578)
YUV	177.8800, -28.5348, -41.1138
Hunter-Lab	73.3279, -39.3647, 30.1276

# Details

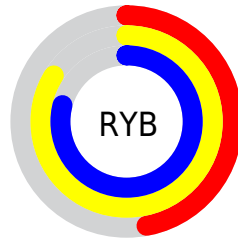
The Hex color **83D578** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **CA78D5**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **BBFFAE**, and **4C9E45** is the 20% darker color. If you saturate the color by 10%, you get **70D563**, and if you desaturate by 10%, it is **96D58D**.

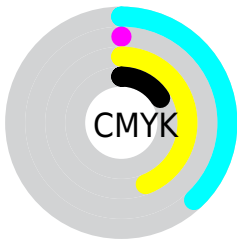
# Distribution



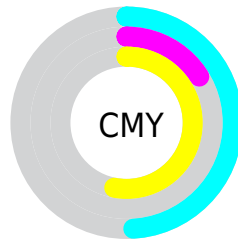
- Red (51%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (79%)



- Cyan (38%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)



- Cyan (49%)
- Magenta (16%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83D578 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 83D578 by changing the saturation by 10% instead.



 83D578

 83D578

FFFFFF

 67B95E

 BBFFAE

 4C9E45

 D8FFC9

 2F832D

 F5FFE6

 096913

 005000

 003800

 002400

 000000

 83D578

 83D578

 70D563

 96D58D

 5DD54D

 A9D5A3

 4BD538

 BBD5B8

 38D523

 CED5CD

 25D50D

 E1D5E3

 19D500

 F4D5F8

 FFD5FF

# Harmonies

## Analogous

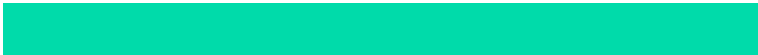
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



C1C958



83D578



00DBAA

# Triad

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



83D578



00CEFF



FF96A3

# Complementary

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



83D578



CA78D5

# 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.



FF97D9



83D578



A3BCFF

# Square

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



83D578



00D8FF



EFA7FF



FFA474

# Rectangle

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



83D578



00DDD0



EFA7FF



FF94B5

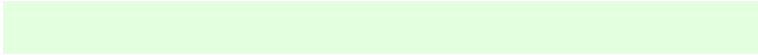


# Sweetspot

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



83D578



E2FFDE



D5C978



6E806B



000000



808080



# Same Dimension

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



83D578



8AFF7A



78D59A



626B60



14AB00



052B00



# Inverse Universe

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



CA78D5



EF7AFF



D578B3



6A606B



9700AB



26002B



# Previews

## White Background



This preview shows how the Hex color 83D578 looks on a white background.

## Color Contrast Check

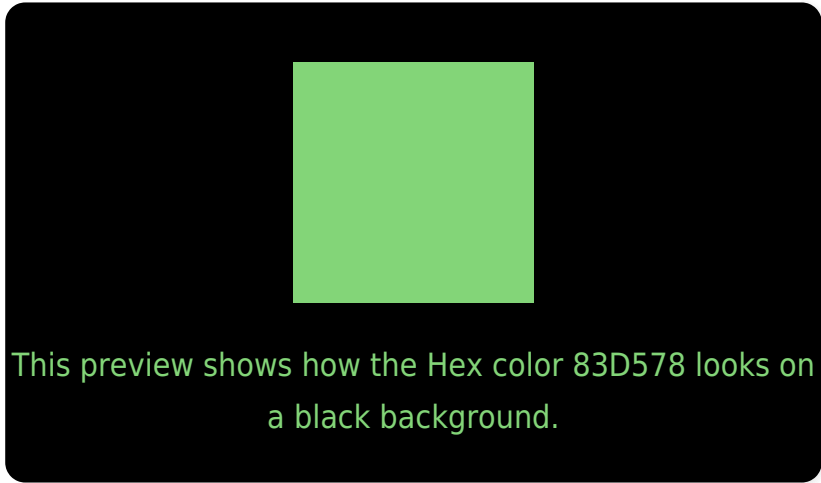
Large Text (above 18pt) WCAG AA × Fail

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

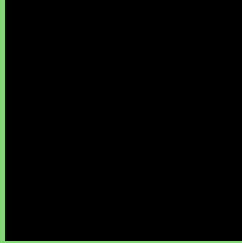
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83D578 Background



This preview shows how black text looks on a background with the Hex color 83D578.

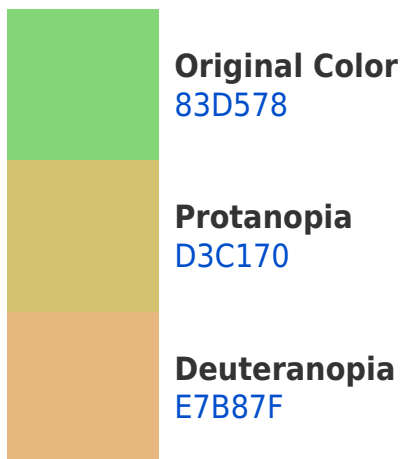


This preview shows how white text looks on a background with the Hex color 83D578.

# 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



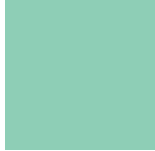
**Original Color**  
83D578



**Protanomaly**  
B6C873



**Deuteranomaly**  
C3C37C



**Tritanomaly**  
8ECEB6

# Monochromacy



**Original Color**  
83D578



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
A1BF9D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83D578 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 #83D578 looks like.

```
.text, #text, p{  
    color:#83D578  
}
```

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 #83D578 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83D578  
}
```

## Border

The CSS property to change the border of an element to Hex 83D578 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  
#83D578 }
```

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

```
.border{ border-color:#83D578 }
```

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

Here you see how a box with a 4 pixel #83D578 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83D578; -webkit-box-shadow:4px 4px  
4px 4px #83D578; box-shadow:4px 4px 4px  
4px #83D578 }
```

# Background

The CSS property to change the background color of an element to Hex 83D578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83D578 }
```

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

```
.background{ background-color:#83D578 }
```

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