

Converting Colors

Hex(83E2AA)

Have a look what the booklet for
Hex(83E2AA) contains.

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Color

Hex(83E2AA)

Conversions

Conversions Part 1

Format	Color
Hex	83E2AA
RGB	131, 226, 170
RGB Percent	51%, 89%, 67%
CMY	0.4863, 0.1137, 0.3333
CMYK	0.42, 0.00, 0.25, 0.11
HSL	145°, 62%, 70%
HSV	145°, 42%, 89%
XYZ	43.8121, 62.1203, 47.7115
YIQ	191.2110, -38.6440, -37.5560

Conversions

Conversions Part 2

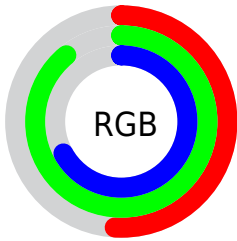
Format	Color
RYB	131, 198, 226
Decimal	8643242
CIELab	82.98, -40.39, 18.74
CIElCh	83, 44.525, 155.107
Yxy	62.1203, 0.2852, 0.4043
Android (android.graphics.Color)	4286833322 (0xFF83E2AA)
YUV	191.2110, -10.4570, -52.8050
Hunter-Lab	78.8164, -38.7049, 19.2803

Details

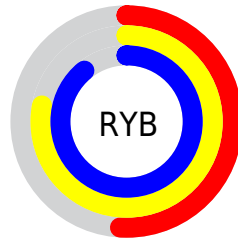
The Hex color **83E2AA** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **E283BB**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **BCFFE1**, and **4BAA76** is the 20% darker color. If you saturate the color by 10%, you get **6CE29D**, and if you desaturate by 10%, it is **9AE2B7**.

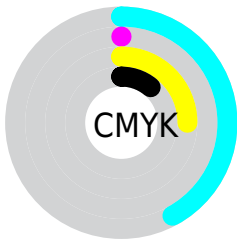
Distribution



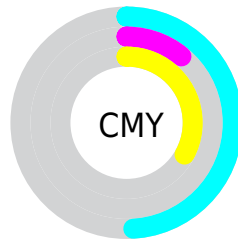
- Red (51%)
- Green (89%)
- Blue (67%)



- Red (51%)
- Yellow (78%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83E2AA 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 83E2AA by changing the saturation by 10% instead.

 83E2AA

 83E2AA

FFFFFF

 67C68F

 BCFFE1

 4BAA76

 D9FFFE

 2D8F5D

 F6FFFF

 007545

 005C2E

 004319

 002C00

 001200

 000000

 83E2AA

 83E2AA

 6CE29D

 9AE2B7

 56E28F

 B0E2C5

 3FE282

 C7E2D2

 29E275

 DDE2DF

 12E267

 F4E2ED

 00E25D

 FFE2FA

 FFE2FF

Harmonies

Analogous

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



B6DA89



83E2AA



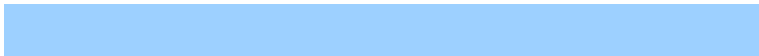
45E5D5

Triad

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



83E2AA



9DD0FF



FFB3A1

Complementary

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



83E2AA



E283BB

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.



FFAEC9



83E2AA



DDC1FF

Square

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



83E2AA



50DCFF



FFB3F3



FFC083

Rectangle

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



83E2AA



0CE4F1



FFB3F3



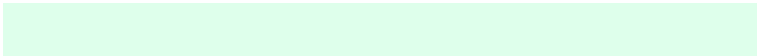
FFB0AD

Sweetspot

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



83E2AA



DEFFEB



BCE283



6B8073



000000



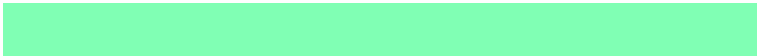
808080

Same Dimension

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



83E2AA



80FFB4



83E2D9



65706A



00B048



003014

Inverse Universe

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



E283BB



FF80CB



E2838D



70656C



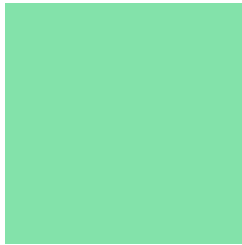
B00068



30001D

Previews

White Background



This preview shows how the Hex color 83E2AA looks on a white background.

Color Contrast Check

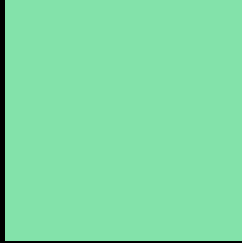
Large Text (above 18pt) WCAG AA × Fail

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 83E2AA 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 83E2AA Background



This preview shows how black text looks on a background with the Hex color 83E2AA.

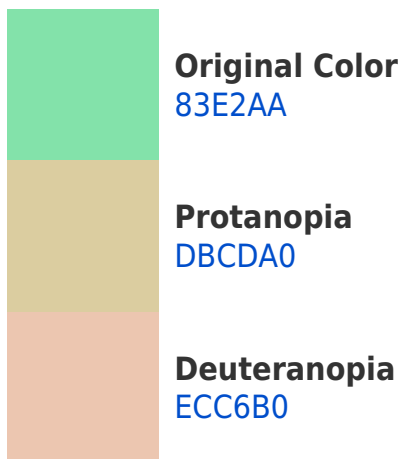


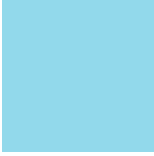
This preview shows how white text looks on a background with the Hex color 83E2AA.

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
92D9EB

Trichromacy



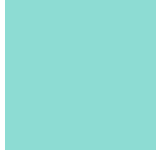
Original Color
83E2AA



Protanomaly
BBD5A4



Deuteranomaly
C6D0AE

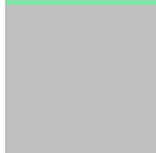


Tritanomaly
8DDCD3

Monochromacy



Original Color
83E2AA



Achromatopsia
BFBFBF



Achromatomaly
A9CCB7

CSS Examples

Text

The CSS property to change the color of the text to Hex 83E2AA 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 #83E2AA looks like.

```
.text, #text, p{  
    color:#83E2AA  
}
```

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 #83E2AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83E2AA  
}
```

Border

The CSS property to change the border of an element to Hex 83E2AA 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  
#83E2AA }
```

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

```
.border{ border-color:#83E2AA }
```

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

Here you see how a box with a 4 pixel #83E2AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83E2AA; -webkit-box-shadow:4px 4px  
4px 4px #83E2AA; box-shadow:4px 4px 4px  
4px #83E2AA }
```

Background

The CSS property to change the background color of an element to Hex 83E2AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83E2AA }
```

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

```
.background{ background-color:#83E2AA }
```

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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