

Converting Colors

CIELCh(83, 44.784, 81.323)

Have a look what the booklet for
CIELCh(83, 44.784, 81.323) contains.

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Color

CIELCh(83, 44.797, 81.440)

Conversions

Conversions Part 1

Format	Color
Hex	F5C87B
RGB	245, 200, 123
RGB Percent	96%, 78%, 48%
CMY	0.0391, 0.2156, 0.5176
CMYK	0.00, 0.18, 0.50, 0.04
HSL	38°, 86%, 72%
HSV	38°, 50%, 96%
XYZ	61.8972, 62.1629, 27.4806
YIQ	204.6770, 51.5370, -14.4070

Conversions

Conversions Part 2

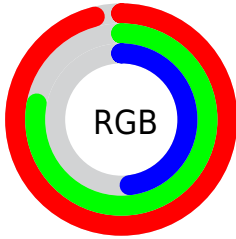
Format	Color
RYB	194, 245, 123
Decimal	16107643
CIELab	83.00, 6.67, 44.30
CIELCh	83, 44.797, 81.440
Yxy	62.1629, 0.4085, 0.4102
Android (android.graphics.Color)	4294297723 (0xFFF5C87B)
YUV	204.6770, -40.2668, 35.3633
Hunter-Lab	78.8435, 2.1578, 34.5252

Details

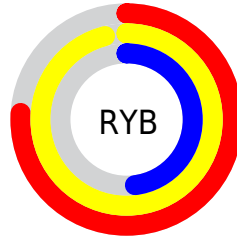
The CIELCh color **83, 44.797, 81.440** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **69, 43.465, 277.578**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **63, 44.718, 81.433** is the 20% darker color. If you saturate the color by 10%, you get **80, 54.063, 79.952**, and if you desaturate by 10%, it is **86, 35.466, 82.877**.

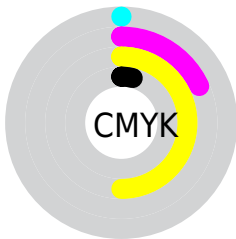
Distribution



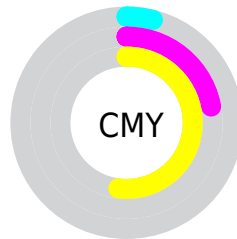
- Red (96%)
- Green (78%)
- Blue (48%)



- Red (76%)
- Yellow (96%)
- Blue (48%)



- Cyan (0%)
- Magenta (18%)
- Yellow (50%)
- Black (4%)



- Cyan (4%)
- Magenta (22%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 44.797, 81.440 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 CIELCh color 83, 44.797, 81.440 by changing the saturation by 10% instead.

83, 44.797, 81.440

83, 44.797, 81.440

100, 44.797,
81.440

73, 44.797, 81.440

63, 44.797, 81.440

53, 44.797, 81.440

43, 44.797, 81.440

33, 44.797, 81.440

23, 44.797, 81.440

13, 44.797, 81.440

3, 44.797, 81.440

0, 44.797, 81.440

83, 44.797, 81.440

83, 44.797, 81.440

80, 54.063, 79.952

86, 35.466, 82.877

78, 62.924, 78.360

88, 26.244, 84.266

76, 70.769, 76.574

91, 17.212, 85.613

74, 76.678, 74.423

94, 8.400, 86.906

71, 80.048, 71.747

97, 0.186, 269.878

71, 80.112, 71.691

99, 3.207, 206.320

99, 3.451, 199.378

Harmonies

Complementary

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



83, 44.797, 81.440



69, 43.465, 277.578

Rectangle

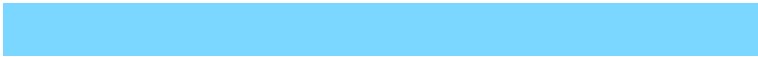
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 44.797, 81.440



83, 44.797, 131.440



83, 44.797, 261.440



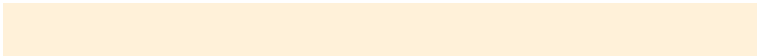
83, 44.797, 311.440

Sweetspot

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



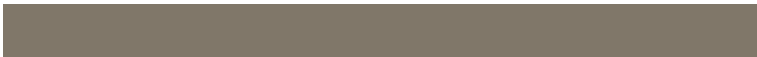
83, 44.797, 81.444



96, 13.388, 86.237



67, 51.714, 356.738



50, 9.160, 85.962



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 44.797, 81.444



83, 56.039, 79.901



93, 60.522, 110.882



50, 4.870, 86.945



55, 65.154, 72.283



17, 25.341, 74.944

Inverse Universe

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



69, 43.465, 277.578



65, 54.483, 280.601



58, 69.214, 300.504



48, 4.849, 269.490



33, 72.884, 294.515



8, 27.853, 288.428

Previews

White Background



This preview shows how the CIELCh color 83, 44.797, 81.440 looks on a white background.

Color Contrast Check

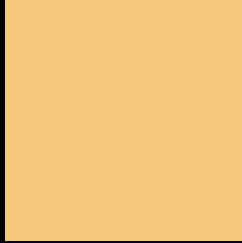
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 44.797, 81.440 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](#).

CIELCh 83, 44.797, 81.440

Background



This preview shows how black text looks on a background with the CIELCh color 83, 44.797, 81.440.



This preview shows how white text looks on a background with the CIELCh color 83, 44.797, 81.440.

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



Original Color

83, 44.797, 81.440

Protanopia

83, 42.745, 95.778

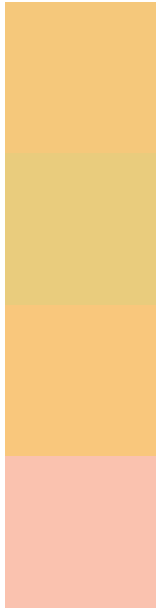
Deuteranopia

83, 45.225, 76.954



Tritanopia
83, 24.822, 3.081

Trichromacy



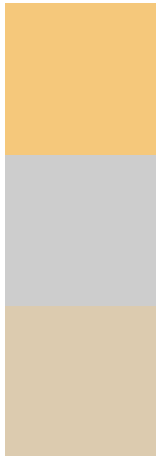
Original Color
83, 44.797, 81.440

Protanomaly
83, 42.951, 90.067

Deuteranomaly
83, 44.961, 78.602

Tritanomaly
83, 24.518, 44.728

Monochromacy



Original Color
83, 44.797, 81.440

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 16.186, 84.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 44.797, 81.440 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 `rgb(245, 200, 123)` looks like.

```
.text, #text, p{  
    color:rgb(245, 200, 123)  
}
```

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 rgb(245, 200, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 200, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 44.797, 81.440 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 rgb(245, 200, 123) }
```

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

```
.border{ border-color:rgb(245, 200, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 200, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 200, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 200, 123);  
box-shadow:4px 4px 4px 4px rgb(245, 200,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 44.797, 81.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 200, 123) }
```

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

```
.background{ background-color: rgb(245,  
200, 123) }
```

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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