

Converting Colors

CIELCh(85, 43.235, 76.997)

Have a look what the booklet for
CIELCh(85, 43.235, 76.997) contains.

CIELCh(85, 43.147, 77.280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(85, 43.147, 77.280)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC85
RGB	255, 204, 133
RGB Percent	100%, 80%, 52%
CMY	0.0008, 0.2007, 0.4791
CMYK	0.00, 0.20, 0.48, 0.00
HSL	35°, 100%, 76%
HSV	35°, 48%, 100%
XYZ	66.9353, 66.0070, 31.3389
YIQ	211.1550, 53.1870, -11.2690

Conversions

Conversions Part 2

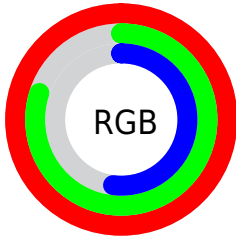
Format	Color
R _Y B	221, 255, 133
Decimal	16764037
CIE Lab	85.00, 9.50, 42.09
CIE LCh	85, 43.147, 77.280
Yxy	66.0070, 0.4074, 0.4018
Android (android.graphics.Color)	4294954117 (0xFFFFCC85)
YUV	211.1550, -38.5304, 38.4521
Hunter-Lab	81.2447, 4.8830, 34.0011

Details

The CIELCh color **85, 43.147, 77.280** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 40.309, 272.820**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **65, 43.101, 77.227** is the 20% darker color. If you saturate the color by 10%, you get **82, 52.760, 75.818**, and if you desaturate by 10%, it is **88, 33.634, 78.700**.

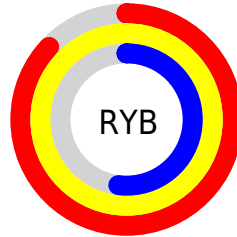
Distribution



Red (100%)

Green (80%)

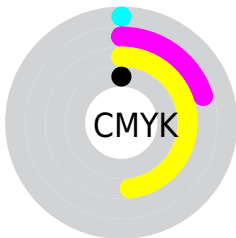
Blue (52%)



Red (87%)

Yellow (100%)

Blue (52%)

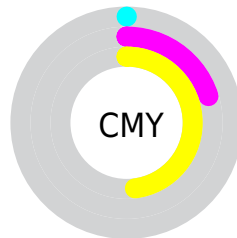


Cyan (0%)

Magenta (20%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 43.147, 77.280 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 85, 43.147, 77.280 by changing the saturation by 10% instead.

 85, 43.147, 77.280

 85, 43.147, 77.280

 100, 43.147,
77.280

 75, 43.147, 77.280

 65, 43.147, 77.280

 55, 43.147, 77.280

 45, 43.147, 77.280

 35, 43.147, 77.280

 25, 43.147, 77.280

 15, 43.147, 77.280

 5, 43.147, 77.280

 0, 43.147, 77.280

85, 43.147, 77.280

85, 43.147, 77.280

82, 52.760, 75.818

88, 33.634, 78.700

79, 62.191, 74.259

91, 24.352, 80.077

77, 70.900, 72.511

94, 15.352, 81.415

74, 77.976, 70.386

97, 6.644, 82.695

72, 82.403, 67.615

100, 0.070,
208.873

71, 83.173, 66.994

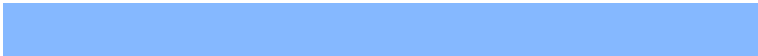
Harmonies

Complementary

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



85, 43.147, 77.280



74, 40.309, 272.820

Rectangle

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



85, 43.147, 77.280



85, 43.147, 127.280



85, 43.147, 257.280



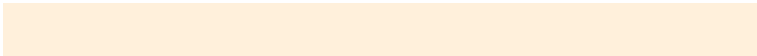
85, 43.147, 307.280

Sweetspot

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



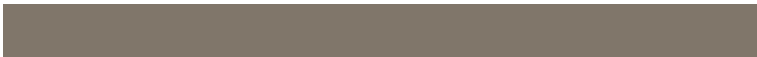
85, 43.147, 77.285



95, 11.955, 81.921



71, 52.465, 353.021



50, 8.284, 81.640



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 43.147, 77.285



82, 51.958, 75.948



97, 60.054, 108.701



52, 4.817, 82.493



55, 66.925, 67.654



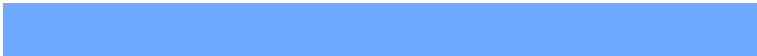
18, 27.251, 70.076

Inverse Universe

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



74, 40.309, 272.820



69, 48.098, 275.484



61, 68.454, 298.879



50, 4.767, 265.082



37, 68.311, 291.223



10, 27.481, 285.351

Previews

White Background



This preview shows how the CIELCh color 85, 43.147, 77.280 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 CIELCh color 85, 43.147, 77.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

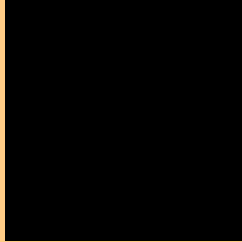
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 43.147, 77.280

Background



This preview shows how black text looks on a background with the CIELCh color 85, 43.147, 77.280.



This preview shows how white text looks on a background with the CIELCh color 85, 43.147, 77.280.

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
85, 22.618, 3.830

Trichromacy



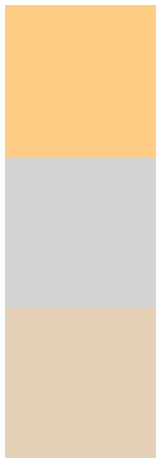
Original Color
85, 43.147, 77.280

Protanomaly
85, 40.946, 89.116

Deuteranomaly
85, 41.613, 75.671

Tritanomaly
85, 23.867, 42.591

Monochromacy



Original Color
85, 43.147, 77.280

Achromatopsia
85, 0.010, 296.813

Achromatomaly
84, 15.037, 79.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 43.147, 77.280 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(255, 204, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 133)  
}
```

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(255, 204, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 43.147, 77.280 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(255, 204, 133) }
```

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

```
.border{ border-color:rgb(255, 204, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 43.147, 77.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 133) }
```

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

```
.background{ background-color: rgb(255,  
204, 133) }
```

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