

Converting Colors

CIELCh(87, 51.048, 59.525)

Have a look what the booklet for
CIELCh(87, 51.048, 59.525) contains.

CIELCh(84, 41.305, 71.945)	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(84, 41.305, 71.945)

Conversions

Conversions Part 1

Format	Color
Hex	FFC788
RGB	255, 199, 136
RGB Percent	100%, 78%, 53%
CMY	0.0000, 0.2197, 0.4670
CMYK	0.00, 0.22, 0.47, 0.00
HSL	32°, 100%, 77%
HSV	32°, 47%, 100%
XYZ	66.4808, 64.0658, 32.1234
YIQ	208.5620, 53.5990, -7.7210

Conversions

Conversions Part 2

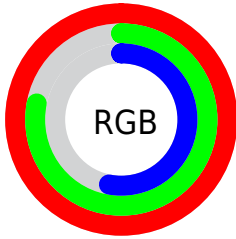
Format	Color
R _Y B	242, 255, 136
Decimal	16762760
CIE Lab	84.00, 12.80, 39.27
CIE LCh	84, 41.305, 71.945
Yxy	64.0658, 0.4087, 0.3938
Android (android.graphics.Color)	4294952840 (0xFFFFC788)
YUV	208.5620, -35.7731, 40.7261
Hunter-Lab	80.0411, 8.1873, 32.2335

Details

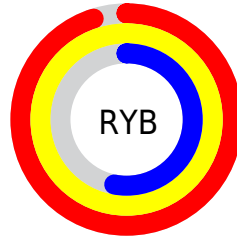
The CIELCh color **84, 41.305, 71.945** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **76, 36.738, 267.332**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 32.709, 107.688**, and **64, 40.989, 72.241** is the 20% darker color. If you saturate the color by 10%, you get **81, 50.714, 71.053**, and if you desaturate by 10%, it is **87, 31.597, 73.781**.

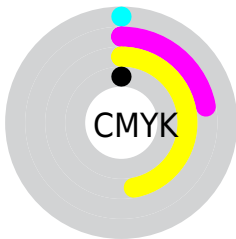
Distribution



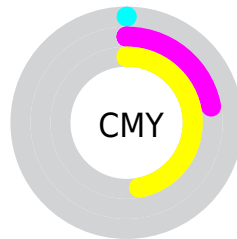
- Red (100%)
- Green (78%)
- Blue (53%)



- Red (95%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (22%)
- Yellow (47%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 41.305, 71.945 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 84, 41.305, 71.945 by changing the saturation by 10% instead.

 84, 41.305, 71.945

 84, 41.305, 71.945

 100, 41.305,
71.945

 74, 41.305, 71.945

 64, 41.305, 71.945

 54, 41.305, 71.945

 44, 41.305, 71.945

 34, 41.305, 71.945

 24, 41.305, 71.945

 14, 41.305, 71.945

 4, 41.305, 71.945

 0, 41.305, 71.945

84, 41.305, 71.945

84, 41.305, 71.945

81, 50.714, 71.053

87, 31.597, 73.781

78, 60.423, 69.596

91, 22.504, 75.104

75, 69.689, 67.968

94, 13.777, 76.398

72, 77.653, 65.965

98, 5.408, 77.631

69, 83.141, 63.257

100, 0.012,
296.813

68, 84.576, 62.279

Harmonies

Complementary

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



84, 41.305, 71.945



76, 36.738, 267.332

Rectangle

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



84, 41.305, 71.945



84, 41.305, 121.945



84, 41.305, 251.945



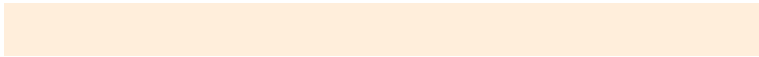
84, 41.305, 301.945

Sweetspot

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



84, 41.031, 72.435



95, 11.484, 76.740



71, 52.525, 349.633



50, 7.965, 76.467



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 41.031, 72.435



81, 50.033, 71.151



98, 58.649, 106.468



51, 4.619, 77.298



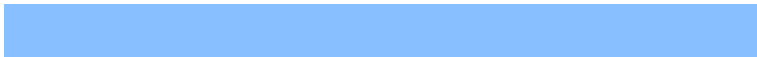
52, 67.922, 62.980



17, 27.031, 64.788

Inverse Universe

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



76, 36.738, 267.332



72, 43.856, 270.061



62, 66.679, 297.349



50, 4.536, 259.871



40, 61.822, 286.945



11, 25.030, 280.629

Previews

White Background



This preview shows how the CIELCh color 84, 41.305, 71.945 looks on a white background.

Color Contrast Check

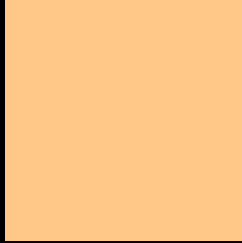
Large Text (above 18pt) WCAG AA × Fail

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 84, 41.305, 71.945 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 84, 41.305, 71.945

Background



This preview shows how black text looks on a background with the CIELCh color 84, 41.305, 71.945.



This preview shows how white text looks on a background with the CIELCh color 84, 41.305, 71.945.

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

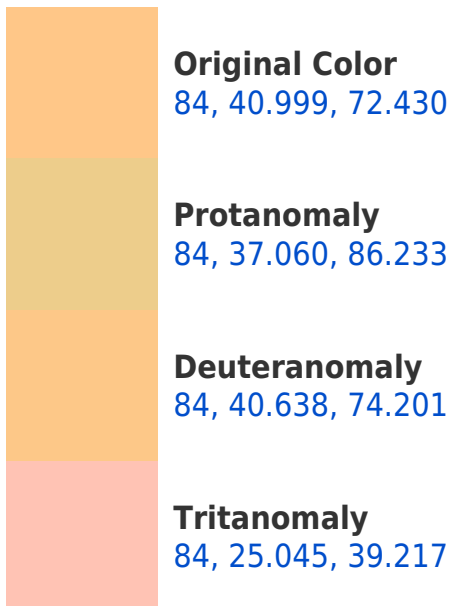


Original Color
84, 40.999, 72.430
Protanopia
84, 36.662, 95.417
Deuteranopia
84, 40.393, 74.686



Tritanopia
84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 41.305, 71.945 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, 199, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 136)  
}
```

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, 199, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 41.305, 71.945 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, 199, 136) }
```

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

```
.border{ border-color:rgb(255, 199, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 41.305, 71.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 136) }
```

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

```
.background{ background-color: rgb(255,  
199, 136) }
```

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