

Converting Colors

CIELCh(84, 57.869, 81.697)

Have a look what the booklet for
CIELCh(84, 57.869, 81.697) contains.

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Color

CIELCh(84, 57.808, 81.676)

Conversions

Conversions Part 1	
Format	Color
Hex	FFC963
RGB	255, 201, 99
RGB Percent	100%, 79%, 39%
CMY	0.0000, 0.2110, 0.6110
CMYK	0.00, 0.21, 0.61, 0.00
HSL	39°, 100%, 69%
HSV	39°, 61%, 100%
XYZ	64.5087, 64.0658, 20.8159
YIQ	205.5180, 64.9260, -20.2740

Conversions

Conversions Part 2

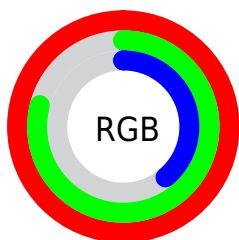
Format	Color
RYB	182, 255, 99
Decimal	16763235
CIELab	84.00, 8.37, 57.20
CIELCh	84, 57.808, 81.676
Yxy	64.0658, 0.4318, 0.4288
Android (android.graphics.Color)	4294953315 (0xFFFFC963)
YUV	205.5180, -52.5134, 43.3957
Hunter-Lab	80.0411, 3.7893, 40.6095

Details

The CIELCh color **84, 57.808, 81.676** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 57.498, 282.754**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 50.696, 106.300**, and **64, 57.779, 81.444** is the 20% darker color. If you saturate the color by 10%, you get **82, 66.724, 80.160**, and if you desaturate by 10%, it is **86, 48.239, 83.256**.

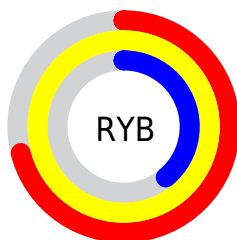
Distribution



Red (100%)

Green (79%)

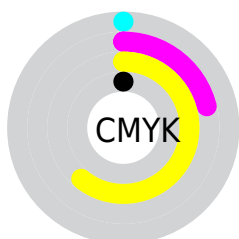
Blue (39%)



Red (71%)

Yellow (100%)

Blue (39%)

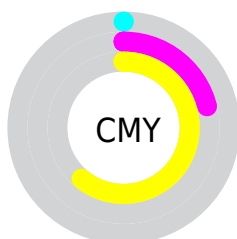


Cyan (0%)

Magenta (21%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 57.808, 81.676 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, 57.808, 81.676 by changing the saturation by 10% instead.

 84, 57.808, 81.676

 84, 57.808, 81.676

 100, 57.808,
81.676

 74, 57.808, 81.676

 64, 57.808, 81.676

 54, 57.808, 81.676

 44, 57.808, 81.676

 34, 57.808, 81.676

 24, 57.808, 81.676

 14, 57.808, 81.676

 4, 57.808, 81.676

 0, 57.808, 81.676

 84, 57.808, 81.676

 84, 57.808, 81.676

 82, 66.724, 80.160

 86, 48.239, 83.256

 79, 74.419, 78.363

 89, 38.542, 84.691

 77, 79.879, 76.202


 92, 28.889, 86.081

 75, 82.494, 73.869

 94, 19.387, 87.428

 97, 10.079, 88.725

 100, 0.981, 89.715

 100, 0.012,
296.813

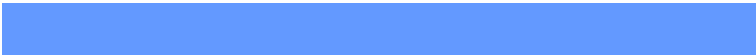
Harmonies

Complementary

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



84, 57.808, 81.676



64, 57.498, 282.754

Rectangle

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



84, 57.808, 81.676



84, 57.808, 131.676



84, 57.808, 261.676



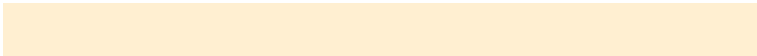
84, 57.808, 311.676

Sweetspot

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



84, 57.767, 81.760



95, 16.476, 87.837



64, 63.810, 1.671



50, 11.487, 87.454



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, 57.767, 81.760



81, 68.307, 79.838



96, 75.022, 111.772



52, 5.150, 88.925



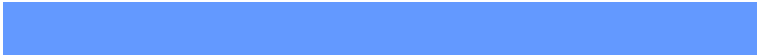
58, 66.447, 74.436



19, 27.940, 77.200

Inverse Universe

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



64, 57.498, 282.754



57, 69.546, 286.732



52, 89.196, 303.080



50, 5.142, 271.453



33, 77.483, 296.010



8, 31.077, 290.767

Previews

White Background



This preview shows how the CIELCh color 84, 57.808, 81.676 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, 57.808, 81.676 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, 57.808, 81.676

Background



This preview shows how black text looks on a background with the CIELCh color 84, 57.808, 81.676.



This preview shows how white text looks on a background with the CIELCh color 84, 57.808, 81.676.

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, 57.808, 81.676

Protanopia

84, 55.688, 95.667

Deuteranopia

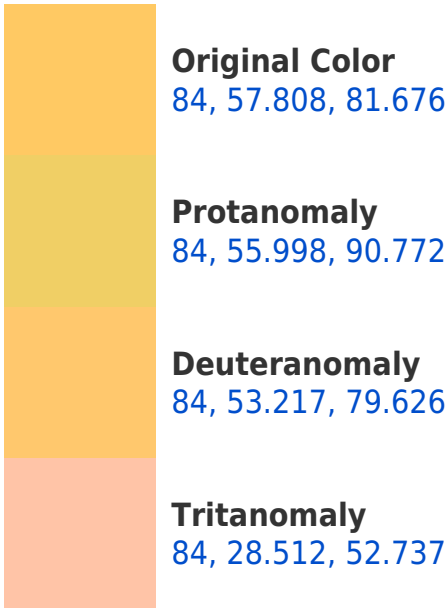
84, 50.987, 78.734



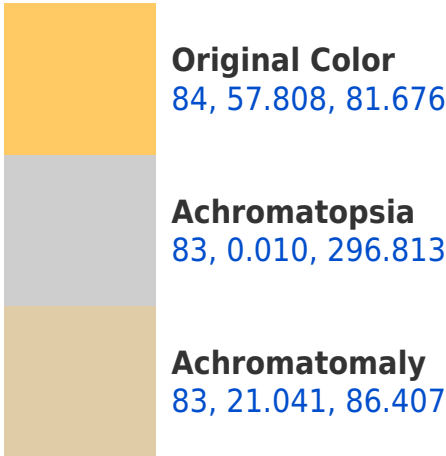
Tritanopia

84, 24.066, 6.328

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 57.808, 81.676 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, 201, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 99)  
}
```

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, 201, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 57.808, 81.676 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, 201, 99) }
```

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

```
.border{ border-color:rgb(255, 201, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 57.808, 81.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 99) }
```

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

```
.background{ background-color: rgb(255,  
201, 99) }
```

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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