

Converting Colors

CIELCh(85, 57.876, 87.257)

Have a look what the booklet for
CIELCh(85, 57.876, 87.257) contains.

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Color

CIELCh(85, 57.940, 87.662)

Conversions

Conversions Part 1

Format	Color
Hex	F9D064
RGB	249, 208, 100
RGB Percent	98%, 82%, 39%
CMY	0.0245, 0.1852, 0.6087
CMYK	0.00, 0.16, 0.60, 0.02
HSL	43°, 92%, 68%
HSV	43°, 60%, 98%
XYZ	63.7651, 66.0070, 21.3799
YIQ	207.9470, 59.1040, -24.8960

Conversions

Conversions Part 2

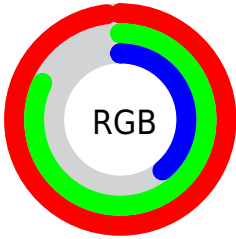
Format	Color
RYB	157, 249, 100
Decimal	16371812
CIELab	85.00, 2.36, 57.89
CIELCh	85, 57.940, 87.662
Yxy	66.0070, 0.4219, 0.4367
Android (android.graphics.Color)	4294561892 (0xFFFF9D064)
YUV	207.9470, -53.2179, 36.0035
Hunter-Lab	81.2447, -2.0820, 41.2689

Details

The CIELCh color **85, 57.940, 87.662** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **60, 61.026, 287.155**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 50.222, 106.336**, and **65, 58.072, 87.894** is the 20% darker color. If you saturate the color by 10%, you get **83, 66.679, 86.195**, and if you desaturate by 10%, it is **87, 48.487, 89.070**.

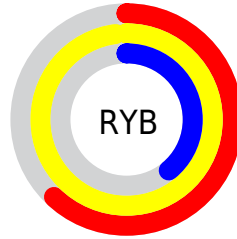
Distribution



Red (98%)

Green (82%)

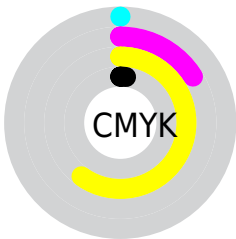
Blue (39%)



Red (62%)

Yellow (98%)

Blue (39%)

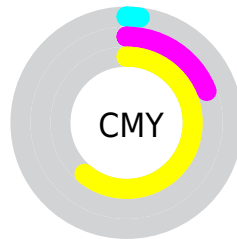


Cyan (0%)

Magenta (16%)

Yellow (60%)

Black (2%)



Cyan (2%)

Magenta (19%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 57.940, 87.662 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, 57.940, 87.662 by changing the saturation by 10% instead.

 85, 57.940, 87.662

 85, 57.940, 87.662

 100, 57.940,
87.662

 75, 57.940, 87.662

 65, 57.940, 87.662

 55, 57.940, 87.662

 45, 57.940, 87.662

 35, 57.940, 87.662

 25, 57.940, 87.662

 15, 57.940, 87.662

 5, 57.940, 87.662

 0, 57.940, 87.662

85, 57.940, 87.662

85, 57.940, 87.662

83, 66.679, 86.195

87, 48.487, 89.070

81, 74.044, 84.606

89, 38.726, 90.433

80, 79.154, 82.795

91, 28.890, 91.760

78, 81.584, 80.663

93, 19.101, 93.048

78, 81.607, 80.638

96, 9.422, 94.288

98, 0.118, 277.543

100, 2.169,
199.573

Harmonies

Complementary

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



85, 57.940, 87.662



60, 61.026, 287.155

Rectangle

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



85, 57.940, 87.662



85, 57.940, 137.662



85, 57.940, 267.662



85, 57.940, 317.662

Sweetspot

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



85, 57.940, 87.665



96, 17.616, 93.283



63, 60.815, 6.409



51, 12.267, 92.915



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, 57.940, 87.665



85, 69.752, 85.858



93, 72.983, 114.915



51, 5.436, 94.335



60, 66.384, 81.073



19, 27.852, 83.740

Inverse Universe

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



60, 61.026, 287.155



55, 76.208, 290.936



53, 85.417, 304.466



49, 5.466, 276.745



30, 85.190, 299.580



7, 33.196, 294.233

Previews

White Background



This preview shows how the CIELCh color 85, 57.940, 87.662 looks on a white background.

Color Contrast Check

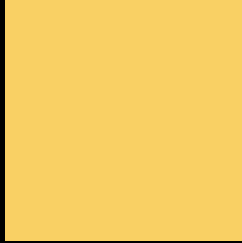
Large Text (above 18pt) WCAG AA × Fail

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, 57.940, 87.662 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, 57.940, 87.662

Background



This preview shows how black text looks on a background with the CIELCh color 85, 57.940, 87.662.



This preview shows how white text looks on a background with the CIELCh color 85, 57.940, 87.662.

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

85, 57.940, 87.662

Protanopia

85, 57.411, 95.867

Deuteranopia

85, 45.874, 78.735



Tritanopia
85, 22.742, 2.557

Trichromacy



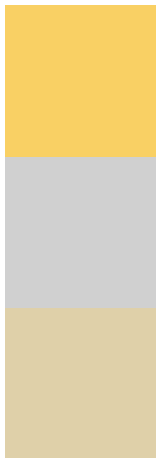
Original Color
85, 57.940, 87.662

Protanomaly
85, 57.216, 92.805

Deuteranomaly
85, 50.236, 82.219

Tritanomaly
85, 26.300, 56.856

Monochromacy



Original Color
85, 57.940, 87.662

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 21.291, 92.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 57.940, 87.662 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(249, 208, 100)` looks like.

```
.text, #text, p{  
    color:rgb(249, 208, 100)  
}
```

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(249, 208, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 208, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 57.940, 87.662 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(249, 208, 100) }
```

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

```
.border{ border-color:rgb(249, 208, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 208, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 208, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 208, 100);  
box-shadow:4px 4px 4px 4px rgb(249, 208,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 57.940, 87.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 208, 100) }
```

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

```
.background{ background-color: rgb(249,  
208, 100) }
```

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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