

Converting Colors

CIELCh(85, 57.521, 83.952)

Have a look what the booklet for
CIELCh(85, 57.521, 83.952) contains.

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Color

CIELCh(85, 57.331, 83.485)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD66
RGB	255, 205, 102
RGB Percent	100%, 80%, 40%
CMY	0.0000, 0.1954, 0.5993
CMYK	0.00, 0.20, 0.60, 0.00
HSL	40°, 100%, 70%
HSV	40°, 60%, 100%
XYZ	65.5922, 66.0070, 21.8977
YIQ	208.2080, 62.8630, -21.4330

Conversions

Conversions Part 2

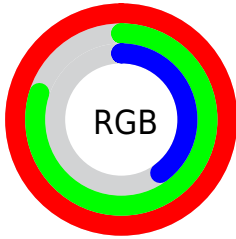
Format	Color
R_{YB}	176, 255, 102
Decimal	16764262
CIE _{Lab}	85.00, 6.50, 56.96
CIE _{LCh}	85, 57.331, 83.485
Yxy	66.0070, 0.4273, 0.4300
Android (android.graphics.Color)	4294954342 (0xFFFFCD66)
YUV	208.2080, -52.3605, 41.0366
Hunter-Lab	81.2447, 1.9322, 40.8910

Details

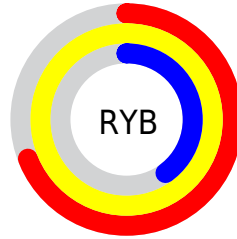
The CIELCh color **85, 57.331, 83.485** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 57.943, 283.799**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.271, 106.409**, and **65, 57.339, 83.444** is the 20% darker color. If you saturate the color by 10%, you get **83, 66.295, 82.003**, and if you desaturate by 10%, it is **87, 47.722, 85.037**.

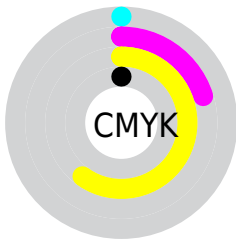
Distribution



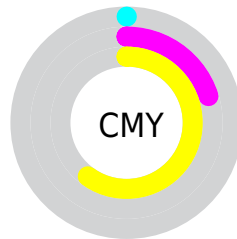
- Red (100%)
- Green (80%)
- Blue (40%)



- Red (69%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 57.331, 83.485 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, 57.331, 83.485 by changing the saturation by 10% instead.

 85, 57.331, 83.485

 85, 57.331, 83.485

 100, 57.331,
83.485

 75, 57.331, 83.485

 65, 57.331, 83.485

 55, 57.331, 83.485

 45, 57.331, 83.485

 35, 57.331, 83.485

 25, 57.331, 83.485

 15, 57.331, 83.485

 5, 57.331, 83.485

 0, 57.331, 83.485

■ 85, 57.331, 83.485

■ 85, 57.331, 83.485

■ 83, 66.295, 82.003

■ 87, 47.722, 85.037

■ 81, 74.058, 80.273

■ 90, 37.962, 86.454

■ 79, 79.645, 78.232

■ 92, 28.224, 87.828

■ 77, 82.523, 75.746

■ 95, 18.612, 89.160

■ 77, 82.540, 75.729

■ 97, 9.175, 90.439

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.



85, 57.331, 83.485



64, 57.943, 283.799

Rectangle

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



85, 57.331, 83.485



85, 57.331, 133.485



85, 57.331, 263.485



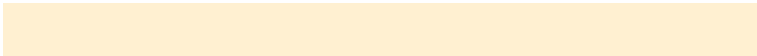
85, 57.331, 313.485

Sweetspot

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



85, 57.296, 83.565



95, 16.774, 89.412



64, 62.524, 2.627



50, 11.691, 89.032



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, 57.296, 83.565



82, 68.029, 81.662



96, 73.967, 112.609



52, 5.249, 90.492



59, 66.507, 76.265



19, 28.195, 79.028

Inverse Universe

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



64, 57.943, 283.799



57, 70.599, 287.721



53, 87.333, 303.290



50, 5.252, 272.992



32, 79.907, 297.094



8, 32.059, 292.022

Previews

White Background



This preview shows how the CIELCh color 85, 57.331, 83.485 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, 57.331, 83.485 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, 57.331, 83.485

Background



This preview shows how black text looks on a background with the CIELCh color 85, 57.331, 83.485.



This preview shows how white text looks on a background with the CIELCh color 85, 57.331, 83.485.

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, 22.506, 5.117

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 57.331, 83.485 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, 205, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 102)  
}
```

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, 205, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 57.331, 83.485 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, 205, 102) }
```

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

```
.border{ border-color:rgb(255, 205, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 57.331, 83.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 102) }
```

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

```
.background{ background-color: rgb(255,  
205, 102) }
```

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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