

Converting Colors

CIELCh(87, 41.682, 61.224)

Have a look what the booklet for
CIELCh(87, 41.682, 61.224) contains.

CIELCh(85, 35.293, 69.740)	3
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Color

CIELCh(85, 35.293, 69.740)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA96
RGB	255, 202, 150
RGB Percent	100%, 79%, 59%
CMY	0.0000, 0.2061, 0.4101
CMYK	0.00, 0.21, 0.41, 0.00
HSL	30°, 100%, 79%
HSV	30°, 41%, 100%
XYZ	68.1711, 66.0070, 38.1760
YIQ	211.9190, 48.2800, -4.9360

Conversions

Conversions Part 2

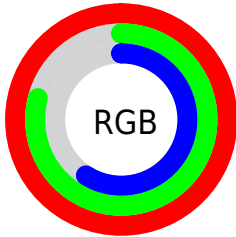
Format	Color
RYB	255, 253, 150
Decimal	16763542
CIELab	85.00, 12.22, 33.11
CIELCh	85, 35.293, 69.740
Yxy	66.0070, 0.3955, 0.3830
Android (android.graphics.Color)	4294953622 (0xFFFFCA96)
YUV	211.9190, -30.5261, 37.7820
Hunter-Lab	81.2447, 7.5981, 29.0116

Details

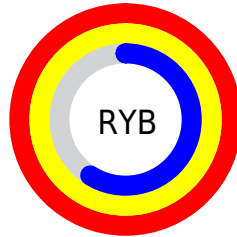
The CIELCh color **85, 35.293, 69.740** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **80, 31.167, 262.378**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.235, 108.263**, and **65, 34.967, 69.764** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.753, 68.699**, and if you desaturate by 10%, it is **89, 25.960, 71.254**.

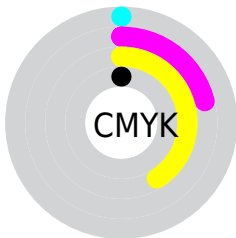
Distribution



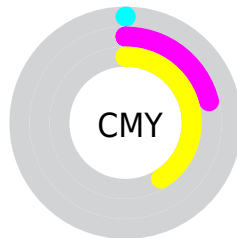
- Red (100%)
- Green (79%)
- Blue (59%)



- Red (100%)
- Yellow (99%)
- Blue (59%)



- Cyan (0%)
- Magenta (21%)
- Yellow (41%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 35.293, 69.740 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, 35.293, 69.740 by changing the saturation by 10% instead.

 85, 35.293, 69.740

 85, 35.293, 69.740

 100, 35.293,
69.740

 75, 35.293, 69.740

 65, 35.293, 69.740

 55, 35.293, 69.740

 45, 35.293, 69.740

 35, 35.293, 69.740

 25, 35.293, 69.740

 15, 35.293, 69.740

 5, 35.293, 69.740

 0, 35.293, 69.740

85, 35.293, 69.740

85, 35.293, 69.740

82, 44.753, 68.699

89, 25.960, 71.254

78, 54.597, 67.380

92, 17.168, 72.511

75, 64.407, 65.966

96, 8.784, 73.738

72, 73.584, 64.315

100, 0.783, 74.450

69, 81.072, 62.143

100, 0.012,
296.813

67, 85.695, 59.572

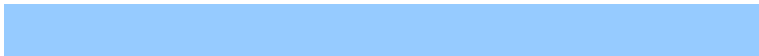
Harmonies

Complementary

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



85, 35.293, 69.740



80, 31.167, 262.378

Rectangle

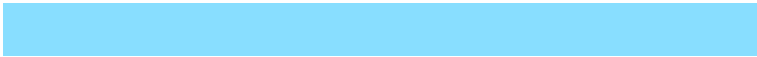
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 35.293, 69.740



85, 35.293, 119.740



85, 35.293, 249.740



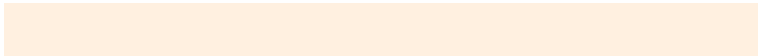
85, 35.293, 299.740

Sweetspot

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



85, 35.167, 69.983



95, 9.593, 73.620



75, 47.213, 346.842



50, 6.383, 73.462



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, 35.167, 69.983



82, 42.796, 68.959



98, 51.151, 105.467



51, 4.518, 73.917



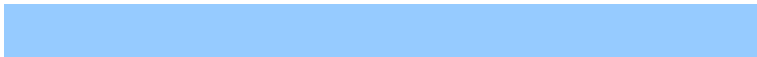
51, 68.765, 60.282



16, 27.012, 61.570

Inverse Universe

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



80, 31.167, 262.378



76, 36.969, 264.494



67, 56.817, 295.206



51, 4.416, 256.446



41, 58.009, 283.934



12, 23.623, 277.359

Previews

White Background



This preview shows how the CIELCh color 85, 35.293, 69.740 looks on a white background.

Color Contrast Check

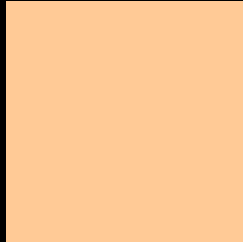
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 35.293, 69.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

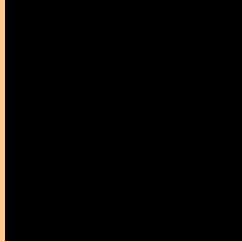
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 35.293, 69.740

Background



This preview shows how black text looks on a background with the CIELCh color 85, 35.293, 69.740.



This preview shows how white text looks on a background with the CIELCh color 85, 35.293, 69.740.

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, 35.293, 69.740

Protanopia

85, 30.386, 95.395

Deuteranopia

85, 34.891, 71.757



Tritanopia
85, 22.618, 3.830

Trichromacy



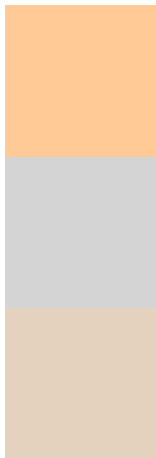
Original Color
85, 35.293, 69.740

Protanomaly
85, 31.611, 85.808

Deuteranomaly
85, 35.151, 71.228

Tritanomaly
85, 22.590, 35.598

Monochromacy



Original Color
85, 35.293, 69.740

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 12.321, 73.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 35.293, 69.740 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, 202, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 150)  
}
```

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, 202, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 35.293, 69.740 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, 202, 150) }
```

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

```
.border{ border-color:rgb(255, 202, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 35.293, 69.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 150) }
```

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

```
.background{ background-color: rgb(255,  
202, 150) }
```

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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