

Converting Colors

CIELCh(87, 28.444, 22.939)

Have a look what the booklet for
CIELCh(87, 28.444, 22.939) contains.

CIELCh(85, 21.374, 22.430)	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(85, 21.374, 22.430)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7C6
RGB	255, 199, 198
RGB Percent	100%, 78%, 78%
CMY	0.0010, 0.2206, 0.2245
CMYK	0.00, 0.22, 0.22, 0.00
HSL	1°, 99%, 89%
HSV	1°, 22%, 100%
XYZ	71.6728, 66.0070, 62.2383
YIQ	215.6300, 33.6970, 11.5610

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 199, 198
Decimal	16762822
CIE Lab	85.00, 19.76, 8.16
CIE LCh	85, 21.374, 22.430
Yxy	66.0070, 0.3585, 0.3302
Android (android.graphics.Color)	4294952902 (0xFFFFC7C6)
YUV	215.6300, -8.6916, 34.5275
Hunter-Lab	81.2447, 15.2915, 11.4516

Details

The CIELCh color **85, 21.374, 22.430** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 18.368, 199.906**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 21.179, 22.946** is the 20% darker color. If you saturate the color by 10%, you get **79, 32.147, 23.522**, and if you desaturate by 10%, it is **92, 11.354, 21.593**.

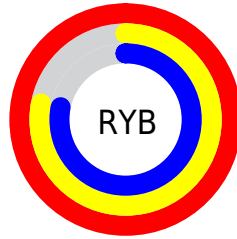
Distribution



Red (100%)

Green (78%)

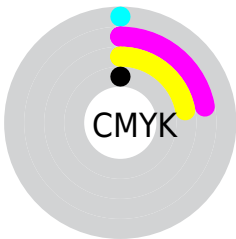
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

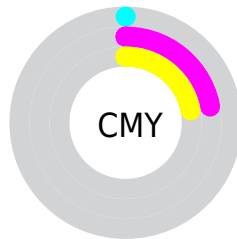


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 21.374, 22.430 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, 21.374, 22.430 by changing the saturation by 10% instead.

 85, 21.374, 22.430

 85, 21.374, 22.430

 100, 21.374,
22.430

 75, 21.374, 22.430

 65, 21.374, 22.430

 55, 21.374, 22.430

 45, 21.374, 22.430

 35, 21.374, 22.430

 25, 21.374, 22.430

 15, 21.374, 22.430

 5, 21.374, 22.430

 0, 21.374, 22.430

85, 21.374, 22.430

85, 21.374, 22.430

79, 32.147, 23.522

92, 11.354, 21.593

73, 43.614, 24.947

98, 2.090, 20.712

67, 55.608, 26.816

100, 0.091,
206.679

62, 67.847, 29.228

59, 79.907, 32.215

56, 91.122, 35.581

54, 100.078,
38.600

53, 104.282,
40.124

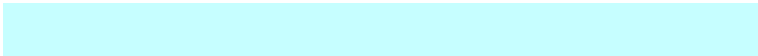
Harmonies

Complementary

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



85, 21.374, 22.430



96, 18.368, 199.906

Rectangle

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



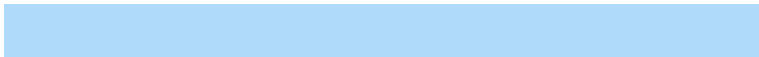
85, 21.374, 22.430



85, 21.374, 72.430



85, 21.374, 202.430



85, 21.374, 252.430

Sweetspot

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



85, 21.372, 22.437



95, 6.293, 21.192



86, 35.350, 326.124



50, 4.099, 21.238



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, 21.372, 22.437



82, 26.291, 22.903



92, 18.520, 74.353



50, 5.163, 21.379



40, 83.986, 40.177



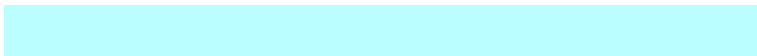
10, 33.003, 28.034

Inverse Universe

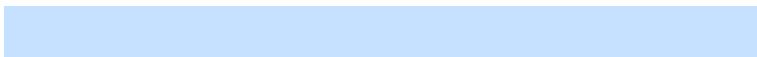
The Inverse Universe completely reimagines the original color for something new.



96, 18.368, 199.906



95, 21.820, 199.721



89, 17.544, 260.560



52, 4.857, 200.514



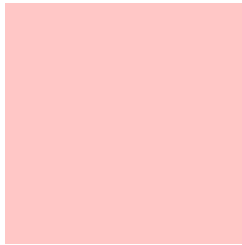
69, 39.371, 199.172



23, 18.166, 198.829

Previews

White Background



This preview shows how the CIELCh color 85, 21.374, 22.430 looks on a white background.

Color Contrast Check

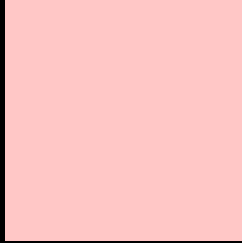
Large Text (above 18pt) WCAG AA × Fail

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, 21.374, 22.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

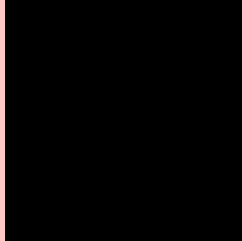
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.374, 22.430

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.374, 22.430.

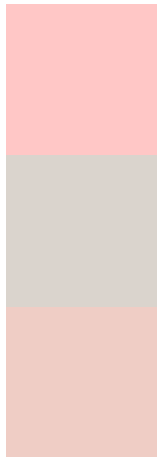


This preview shows how white text looks on a background with the CIELCh color 85, 21.374, 22.430.

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, 21.374, 22.430

Protanopia

85, 4.261, 78.641

Deuteranopia

85, 13.579, 38.152



Tritanopia
85, 22.877, 1.299

Trichromacy



Original Color
85, 21.374, 22.430

Protanomaly
85, 9.346, 36.210

Deuteranomaly
85, 16.312, 31.575

Tritanomaly
85, 21.849, 8.789

Monochromacy



Original Color
85, 21.374, 22.430

Achromatopsia
86, 0.010, 296.813

Achromatomaly
85, 7.372, 19.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.374, 22.430 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.374, 22.430 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, 198) }
```

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

```
.border{ border-color:rgb(255, 199, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.374, 22.430 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
199, 198) }
```

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