

Converting Colors

CIELCh(86, 24.912, 19.891)

Have a look what the booklet for
CIELCh(86, 24.912, 19.891) contains.

CIELCh(85, 21.283, 19.654)	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, 21.283, 19.654)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7C8
RGB	255, 199, 200
RGB Percent	100%, 78%, 78%
CMY	0.0016, 0.2211, 0.2172
CMYK	0.00, 0.22, 0.22, 0.00
HSL	359°, 99%, 89%
HSV	359°, 22%, 100%
XYZ	71.8080, 66.0070, 63.3666
YIQ	215.8580, 33.0550, 12.1830

Conversions

Conversions Part 2

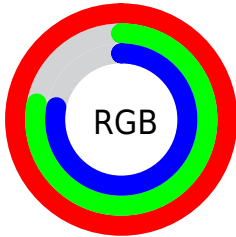
Format	Color
R _Y B	255, 199, 200
Decimal	16762824
CIE Lab	85.00, 20.04, 7.16
CIE LCh	85, 21.283, 19.654
Yxy	66.0070, 0.3569, 0.3281
Android (android.graphics.Color)	4294952904 (0xFFFFC7C8)
YUV	215.8580, -7.8180, 34.3275
Hunter-Lab	81.2447, 15.5887, 10.6282

Details

The CIELCh color **85, 21.283, 19.654** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 18.457, 196.685**, 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, 21.059, 19.995** is the 20% darker color. If you saturate the color by 10%, you get **79, 32.118, 20.857**, and if you desaturate by 10%, it is **92, 11.164, 18.713**.

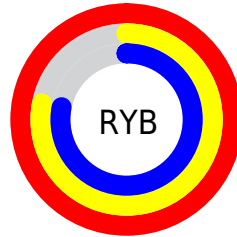
Distribution



Red (100%)

Green (78%)

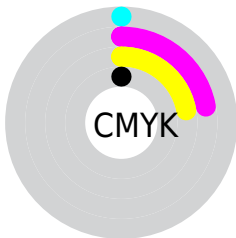
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

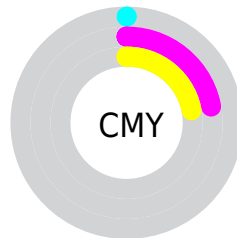


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 21.283, 19.654 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, 21.283, 19.654 by changing the saturation by 10% instead.

 85, 21.283, 19.654

 85, 21.283, 19.654

 100, 21.283,
19.654

 75, 21.283, 19.654

 65, 21.283, 19.654

 55, 21.283, 19.654

 45, 21.283, 19.654

 35, 21.283, 19.654

 25, 21.283, 19.654

 15, 21.283, 19.654

 5, 21.283, 19.654

 0, 21.283, 19.654

85, 21.283, 19.654

85, 21.283, 19.654

79, 32.118, 20.857

92, 11.164, 18.713

73, 43.589, 22.405

98, 1.780, 17.682

67, 55.505, 24.420

100, 0.140,
204.146

62, 67.557, 27.016

58, 79.328, 30.255

55, 90.246, 33.992

54, 99.208, 37.590

53, 103.746,
39.509

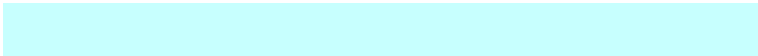
Harmonies

Complementary

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



85, 21.283, 19.654



96, 18.457, 196.685

Rectangle

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



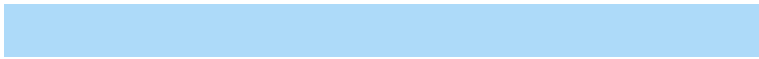
85, 21.283, 19.654



85, 21.283, 69.654



85, 21.283, 199.654



85, 21.283, 249.654

Sweetspot

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



85, 21.281, 19.660



95, 6.404, 18.289



86, 34.784, 324.708



50, 4.171, 18.341



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, 21.281, 19.660



83, 25.581, 20.105



91, 17.713, 69.085



49, 5.252, 18.502



40, 83.426, 39.301



10, 33.219, 26.467

Inverse Universe

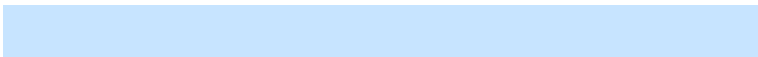
The Inverse Universe completely reimagines the original color for something new.



85, 21.281, 19.660



83, 25.581, 20.105



89, 16.485, 254.892



49, 5.252, 18.502



40, 83.426, 39.301



10, 33.219, 26.467

Previews

White Background



This preview shows how the CIELCh color 85, 21.283, 19.654 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, 21.283, 19.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

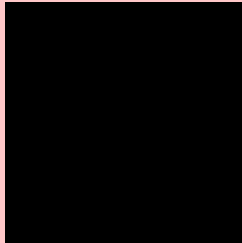
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 21.283, 19.654

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.283, 19.654.

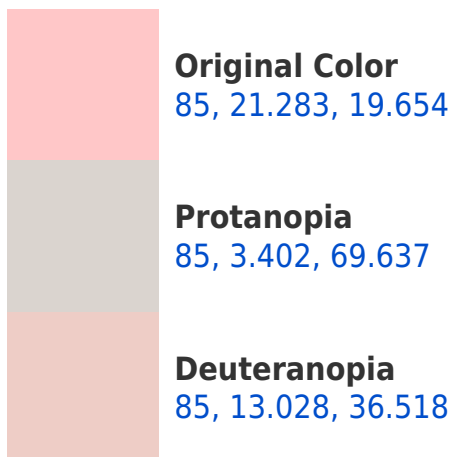


This preview shows how white text looks on a background with the CIELCh color 85, 21.283, 19.654.

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](#).

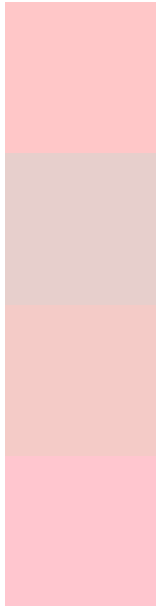
Dichromacy





Tritanopia
85, 22.877, 1.299

Trichromacy



Original Color
85, 21.283, 19.654

Protanomaly
85, 9.075, 29.938

Deuteranomaly
85, 15.690, 28.151

Tritanomaly
85, 21.849, 8.789

Monochromacy



Original Color
85, 21.283, 19.654

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, 21.283, 19.654 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.283, 19.654 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, 200) }
```

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

```
.border{ border-color:rgb(255, 199, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.283, 19.654 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
199, 200) }
```

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