

Converting Colors

CIELCh(87, 27.153, 17.563)

Have a look what the booklet for
CIELCh(87, 27.153, 17.563) contains.

CIELCh(85, 20.837, 16.741)	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, 20.837, 16.741)

Conversions

Conversions Part 1

Format	Color
Hex	FEC7CA
RGB	254, 199, 202
RGB Percent	100%, 78%, 79%
CMY	0.0051, 0.2205, 0.2087
CMYK	0.00, 0.22, 0.20, 0.01
HSL	357°, 95%, 89%
HSV	357°, 22%, 99%
XYZ	71.7658, 66.0070, 64.6922
YIQ	215.7870, 31.8170, 12.5930

Conversions

Conversions Part 2

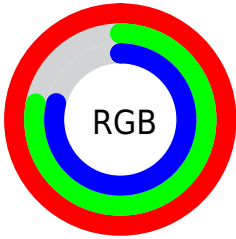
Format	Color
RYB	254, 199, 202
Decimal	16697290
CIELab	85.00, 19.95, 6.00
CIELCh	85, 20.837, 16.741
Yxy	66.0070, 0.3545, 0.3260
Android (android.graphics.Color)	4294887370 (0xFFFE7CA)
YUV	215.7870, -6.7970, 33.5128
Hunter-Lab	81.2447, 15.4960, 9.6609

Details

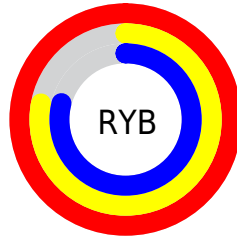
The CIELCh color **85, 20.837, 16.741** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 18.299, 193.436**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **65, 20.998, 17.018** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.508, 18.008**, and if you desaturate by 10%, it is **92, 10.817, 15.729**.

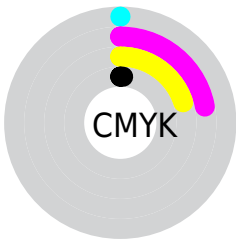
Distribution



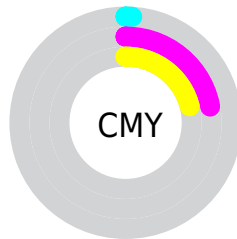
- Red (100%)
- Green (78%)
- Blue (79%)



- Red (100%)
- Yellow (78%)
- Blue (79%)



- Cyan (0%)
- Magenta (22%)
- Yellow (20%)
- Black (1%)



- Cyan (1%)
- Magenta (22%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 20.837, 16.741 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, 20.837, 16.741 by changing the saturation by 10% instead.

 85, 20.837, 16.741

 85, 20.837, 16.741

 100, 20.837,
16.741

 75, 20.837, 16.741

 65, 20.837, 16.741

 55, 20.837, 16.741

 45, 20.837, 16.741

 35, 20.837, 16.741

 25, 20.837, 16.741

 15, 20.837, 16.741

 5, 20.837, 16.741

 0, 20.837, 16.741

85, 20.837, 16.741

85, 20.837, 16.741

79, 31.508, 18.008

92, 10.817, 15.729

73, 42.737, 19.614

98, 1.479, 14.554

67, 54.320, 21.680

100, 0.452,
200.842

62, 65.946, 24.332

58, 77.218, 27.665

55, 87.686, 31.621

54, 96.665, 35.758

53, 102.068,
38.488

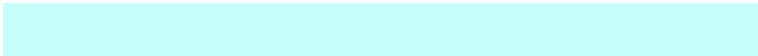
Harmonies

Complementary

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



85, 20.837, 16.741



96, 18.299, 193.436

Rectangle

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



85, 20.837, 16.741



85, 20.837, 66.741



85, 20.837, 196.741



85, 20.837, 246.741

Sweetspot

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



85, 20.835, 16.747



96, 5.481, 15.200



86, 33.836, 323.736



51, 3.644, 15.264



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, 20.835, 16.747



83, 25.507, 17.261



91, 17.160, 65.434



49, 5.260, 15.530



40, 81.948, 37.941



10, 32.929, 24.984

Inverse Universe

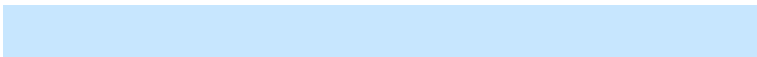
The Inverse Universe completely reimagines the original color for something new.



85, 20.835, 16.747



83, 25.507, 17.261



90, 15.793, 250.850



49, 5.260, 15.530



40, 81.948, 37.941



10, 32.929, 24.984

Previews

White Background



This preview shows how the CIELCh color 85, 20.837, 16.741 looks on a white background.

Color Contrast Check

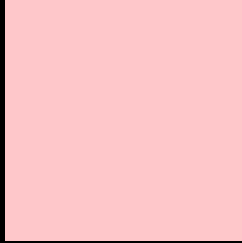
Large Text (above 18pt) WCAG AA × Fail

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, 20.837, 16.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

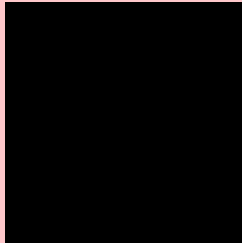
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.837, 16.741

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.837, 16.741.

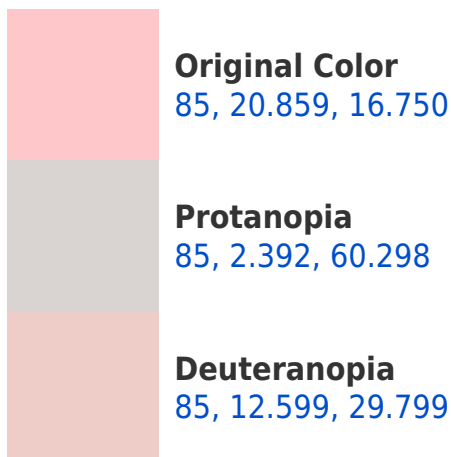


This preview shows how white text looks on a background with the CIELCh color 85, 20.837, 16.741.

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, 20.859, 16.750

Protanomaly
85, 8.544, 23.480

Deuteranomaly
85, 15.521, 24.385

Tritanomaly
85, 21.927, 7.446

Monochromacy



Original Color
85, 20.859, 16.750

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 7.374, 15.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 20.837, 16.741 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(254, 199, 202)` looks like.

```
.text, #text, p{  
    color:rgb(254, 199, 202)  
}
```

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(254, 199, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 199, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.837, 16.741 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(254, 199, 202) }
```

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

```
.border{ border-color:rgb(254, 199, 202) }
```

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

Here you see how a box with a 4 pixel rgb(254, 199, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 199, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 199, 202);  
box-shadow:4px 4px 4px 4px rgb(254, 199,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.837, 16.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 199, 202) }
```

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

```
.background{ background-color: rgb(254,  
199, 202) }
```

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