

Converting Colors

CIELCh(94, 45.948, 14.817)

Have a look what the booklet for
CIELCh(94, 45.948, 14.817) contains.

| | |
|--|----|
| CIELCh(87, 19.977, 1.224) | 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(87, 19.977, 1.224)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFCDDA |
| RGB | 255, 205, 218 |
| RGB Percent | 100%, 80%, 85% |
| CMY | 0.0000, 0.1970, 0.1460 |
| CMYK | 0.00, 0.20, 0.15, 0.00 |
| HSL | 344°, 100%, 90% |
| HSV | 344°, 20%, 100% |
| XYZ | 75.9291, 70.0064, 75.6769 |
| YIQ | 221.4320, 25.6270, 14.6430 |

Conversions

Conversions Part 2

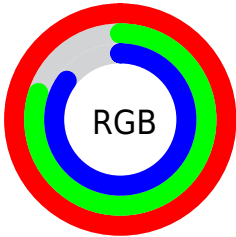
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 205, 218 |
| Decimal | 16764378 |
| CIE Lab | 87.00, 19.97, 0.43 |
| CIE LCh | 87, 19.977, 1.224 |
| Yxy | 70.0064, 0.3426, 0.3159 |
| Android (android.graphics.Color) | 4294954458 (0xFFFFCDDA) |
| YUV | 221.4320, -1.6920, 29.4391 |
| Hunter-Lab | 83.6698, 15.5638, 4.9428 |

Details

The CIELCh color **87, 19.977, 1.224** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 18.427, 177.028**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 19.444, 1.622** is the 20% darker color. If you saturate the color by 10%, you get **81, 30.256, 2.238**, and if you desaturate by 10%, it is **93, 9.487, 359.756**.

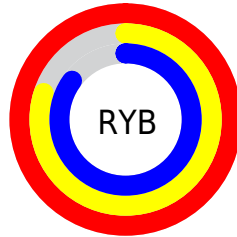
Distribution



Red (100%)

Green (80%)

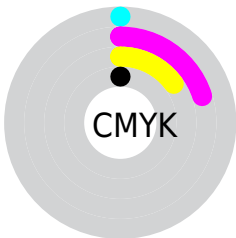
Blue (85%)



Red (100%)

Yellow (80%)

Blue (85%)

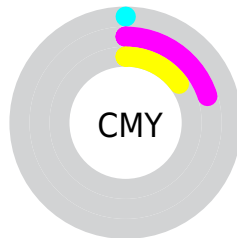


Cyan (0%)

Magenta (20%)

Yellow (15%)

Black (0%)



Cyan (0%)

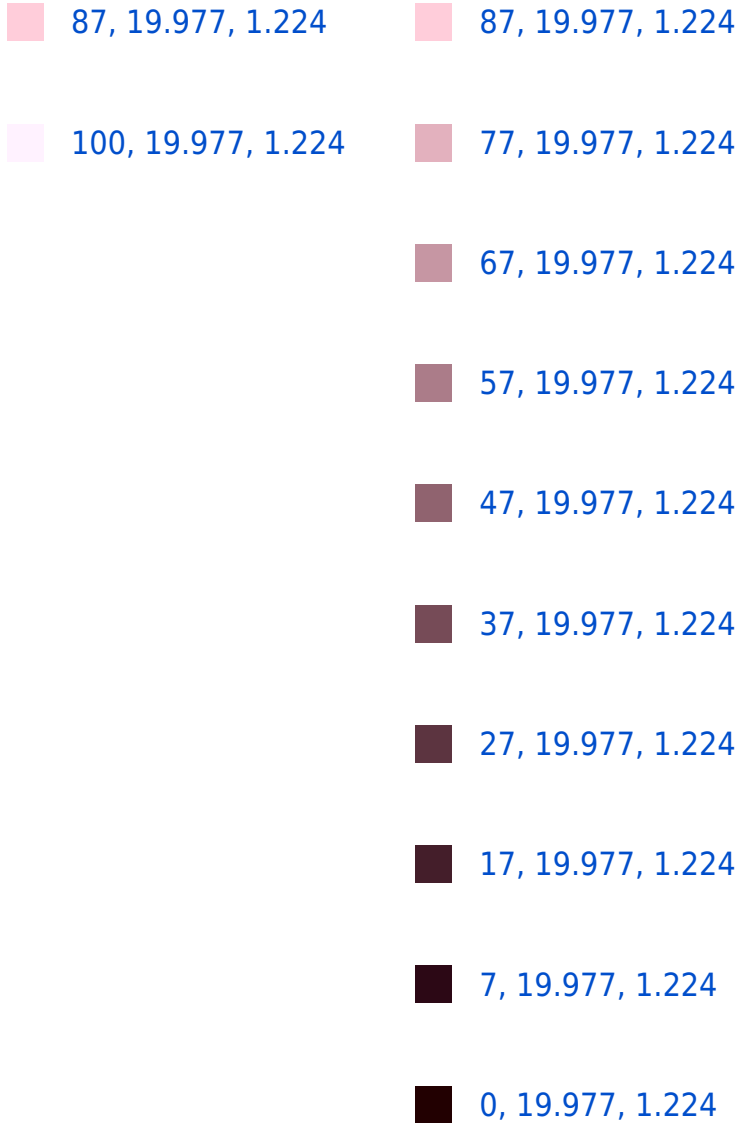
Magenta (20%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 19.977, 1.224 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 87, 19.977, 1.224 by changing the saturation by 10% instead.



87, 19.977, 1.224

87, 19.977, 1.224

81, 30.256, 2.238

93, 9.487, 359.756

75, 40.998, 3.838

100, 0.012,
296.813

69, 51.636, 5.806

64, 61.769, 8.273

60, 70.929, 11.405

57, 78.716, 15.367

55, 85.010, 20.247

54, 90.229, 25.803

54, 90.388, 25.965

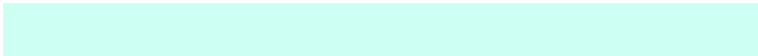
Harmonies

Complementary

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



87, 19.977, 1.224



96, 18.427, 177.028

Rectangle

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



87, 19.977, 1.224



87, 19.977, 51.224



87, 19.977, 181.224



87, 19.977, 231.224

Sweetspot

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



87, 19.695, 0.906



96, 5.818, 359.345



87, 29.307, 317.625



51, 3.865, 359.419



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

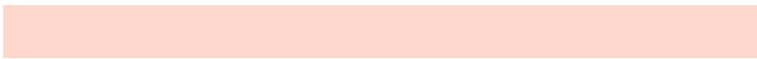
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 19.695, 0.906



84, 24.200, 1.451



89, 15.822, 42.767



50, 5.557, 359.734



40, 72.253, 24.882



10, 31.654, 15.458

Inverse Universe

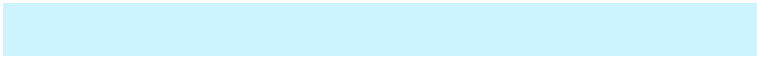
The Inverse Universe completely reimagines the original color for something new.



87, 19.695, 0.906



84, 24.200, 1.451



94, 13.934, 224.518



50, 5.557, 359.734



40, 72.253, 24.882



10, 31.654, 15.458

Previews

White Background



This preview shows how the CIELCh color 87, 19.977, 1.224 looks on a white background.

Color Contrast Check

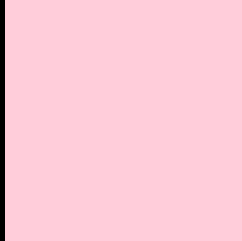
Large Text (above 18pt) WCAG AA × Fail

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 87, 19.977, 1.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

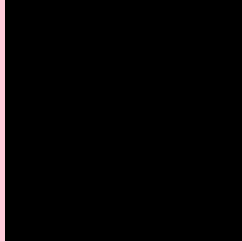
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 19.977, 1.224

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.977, 1.224.




This preview shows how white text looks on a background with the CIELCh color 87, 19.977, 1.224.

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
87, 20.470, 357.054

Trichromacy



Original Color
87, 19.607, 0.806

Protanomaly
87, 8.657, 347.133

Deuteranomaly
87, 13.872, 2.991

Tritanomaly
87, 20.293, 358.420

Monochromacy



Original Color
87, 19.607, 0.806

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 7.051, 358.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.977, 1.224 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.977, 1.224 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, 218) }
```

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

```
.border{ border-color:rgb(255, 205, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.977, 1.224 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
205, 218) }
```

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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