

Converting Colors

CIELCh(90, 31.236, 26.434)

Have a look what the booklet for
CIELCh(90, 31.236, 26.434) contains.

CIELCh(87, 18.830, 28.642)	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, 18.830, 28.642)

Conversions

Conversions Part 1

Format	Color
Hex	FFCFCA
RGB	255, 207, 202
RGB Percent	100%, 81%, 79%
CMY	0.0000, 0.1901, 0.2097
CMYK	0.00, 0.19, 0.21, 0.00
HSL	6°, 100%, 90%
HSV	6°, 21%, 100%
XYZ	74.2494, 70.0064, 65.1833
YIQ	220.7820, 30.2130, 8.6210

Conversions

Conversions Part 2

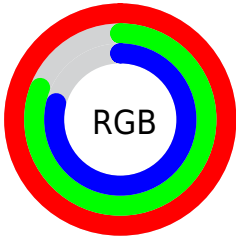
Format	Color
R_{YB}	255, 208, 202
Decimal	16764874
CIE _{Lab}	87.00, 16.53, 9.03
CIE _{LCh}	87, 18.830, 28.642
Y _{xy}	70.0064, 0.3545, 0.3343
Android (android.graphics.Color)	4294954954 (0xFFFFCFCA)
YUV	220.7820, -9.2595, 30.0092
Hunter-Lab	83.6698, 11.9803, 12.3788

Details

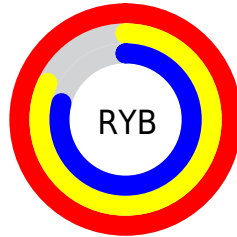
The CIELCh color **87, 18.830, 28.642** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 16.104, 207.697**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 18.456, 29.527** is the 20% darker color. If you saturate the color by 10%, you get **81, 28.653, 29.400**, and if you desaturate by 10%, it is **93, 9.338, 28.233**.

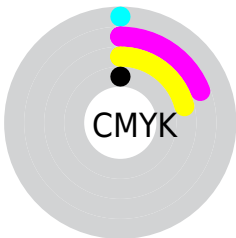
Distribution



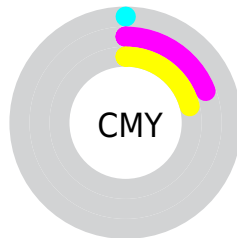
- Red (100%)
- Green (81%)
- Blue (79%)



- Red (100%)
- Yellow (82%)
- Blue (79%)



- Cyan (0%)
- Magenta (19%)
- Yellow (21%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 18.830, 28.642 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, 18.830, 28.642 by changing the saturation by 10% instead.

 87, 18.830, 28.642

 87, 18.830, 28.642

 100, 18.830,
28.642

 77, 18.830, 28.642

 67, 18.830, 28.642

 57, 18.830, 28.642

 47, 18.830, 28.642

 37, 18.830, 28.642

 27, 18.830, 28.642

 17, 18.830, 28.642

 7, 18.830, 28.642

 0, 18.830, 28.642

87, 18.830, 28.642

87, 18.830, 28.642

81, 28.653, 29.400

93, 9.338, 28.233

75, 39.454, 30.329

99, 0.791, 27.155

70, 50.943, 31.588

100, 0.012,
296.813

65, 62.952, 33.242

61, 75.163, 35.308

58, 86.978, 37.649

55, 97.106, 39.740

54, 103.201,
40.824

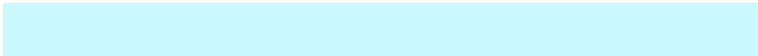
Harmonies

Complementary

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



87, 18.830, 28.642



95, 16.104, 207.697

Rectangle

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



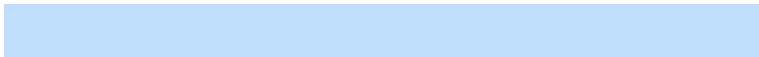
87, 18.830, 28.642



87, 18.830, 78.642



87, 18.830, 208.642



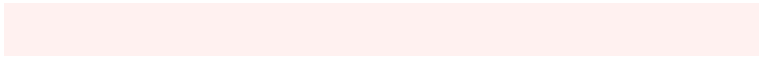
87, 18.830, 258.642

Sweetspot

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



87, 18.613, 28.727



96, 5.003, 28.003



87, 31.691, 327.980



51, 3.328, 28.036



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, 18.613, 28.727



85, 22.567, 28.972



93, 18.139, 81.125



50, 4.810, 28.168



40, 82.835, 41.046



11, 31.594, 31.764

Inverse Universe

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



95, 16.104, 207.697



94, 18.929, 207.680



88, 17.634, 267.013



52, 4.521, 207.869



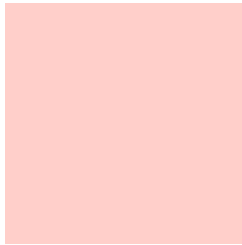
65, 36.123, 212.972



21, 16.783, 210.756

Previews

White Background



This preview shows how the CIELCh color 87, 18.830, 28.642 looks on a white background.

Color Contrast Check

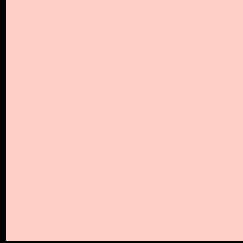
Large Text (above 18pt) WCAG AA × Fail

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, 18.830, 28.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

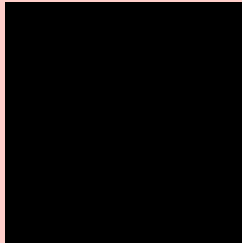
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 18.830, 28.642

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.830, 28.642.

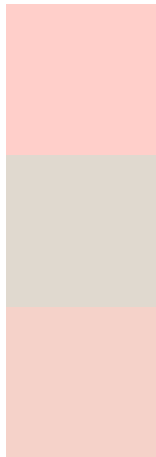


This preview shows how white text looks on a background with the CIELCh color 87, 18.830, 28.642.

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

87, 18.424, 28.778

Protanopia

87, 5.799, 83.317

Deuteranopia

87, 14.067, 39.655



Tritanopia
87, 19.763, 359.371

Trichromacy



Original Color
87, 18.424, 28.778

Protanomaly
87, 9.204, 46.755

Deuteranomaly
87, 15.753, 35.690

Tritanomaly
87, 18.567, 9.563

Monochromacy



Original Color
87, 18.424, 28.778

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 6.687, 28.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.830, 28.642 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, 207, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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(255, 207, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.830, 28.642 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, 207, 202) }
```

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

```
.border{ border-color:rgb(255, 207, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.830, 28.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 202) }
```

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

```
.background{ background-color: rgb(255,  
207, 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](#).

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