

# Converting Colors

CIELCh(87, 19.245, 14.072)

Have a look what the booklet for  
CIELCh(87, 19.245, 14.072) contains.

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# Color

**CIELCh(87, 18.856, 12.951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCED3
RGB	255, 206, 211
RGB Percent	100%, 81%, 83%
CMY	0.0000, 0.1937, 0.1741
CMYK	0.00, 0.19, 0.17, 0.00
HSL	354°, 100%, 90%
HSV	354°, 19%, 100%
XYZ	75.1481, 70.0064, 70.9118
YIQ	221.2210, 27.5990, 11.9430

# Conversions

## Conversions Part 2

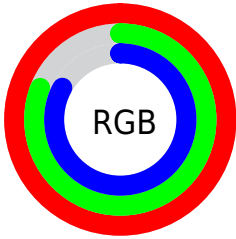
Format	Color
R <sub>Y</sub> B	255, 206, 211
Decimal	16764627
CIE Lab	87.00, 18.38, 4.23
CIE LCh	87, 18.856, 12.951
Yxy	70.0064, 0.3478, 0.3240
Android (android.graphics.Color)	4294954707 (0xFFFFCED3)
YUV	221.2210, -5.0390, 29.6242
Hunter-Lab	83.6698, 13.8977, 8.3194

# Details

The CIELCh color **87, 18.856, 12.951** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 16.789, 189.576**, 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, 18.397, 12.663** is the 20% darker color. If you saturate the color by 10%, you get **80, 29.113, 14.106**, and if you desaturate by 10%, it is **94, 8.718, 11.779**.

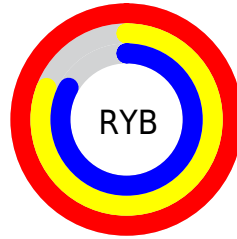
# Distribution



Red (100%)

Green (81%)

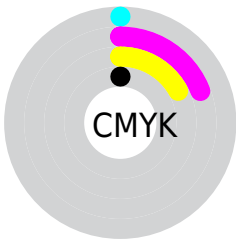
Blue (83%)



Red (100%)

Yellow (81%)

Blue (83%)

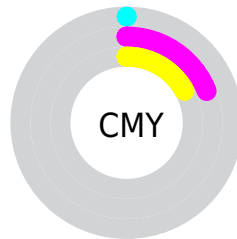


Cyan (0%)

Magenta (19%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.856, 12.951 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, 18.856, 12.951 by changing the saturation by 10% instead.



 87, 18.856, 12.951

 87, 18.856, 12.951

 100, 18.856,  
12.951

 77, 18.856, 12.951

 67, 18.856, 12.951

 57, 18.856, 12.951

 47, 18.856, 12.951

 37, 18.856, 12.951

 27, 18.856, 12.951

 17, 18.856, 12.951

 7, 18.856, 12.951

 0, 18.856, 12.951

87, 18.856, 12.951

87, 18.856, 12.951

80, 29.113, 14.106

94, 8.718, 11.779

74, 40.099, 15.689

100, 0.012,  
296.813

69, 51.377, 17.698

64, 62.636, 20.264

59, 73.490, 23.519

56, 83.555, 27.518

54, 92.481, 32.073

53, 99.734, 36.436

53, 100.132,  
36.657

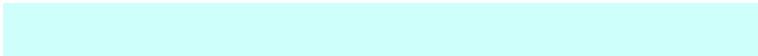
# Harmonies

# Complementary

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



87, 18.856, 12.951



97, 16.789, 189.576

# Rectangle

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



87, 18.856, 12.951



87, 18.856, 62.951



87, 18.856, 192.951



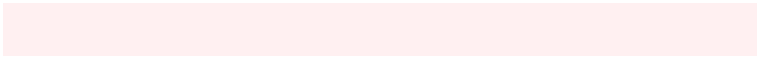
87, 18.856, 242.951

# Sweetspot

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



87, 18.619, 12.836



96, 5.519, 11.435



88, 29.964, 322.168



51, 3.668, 11.503



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

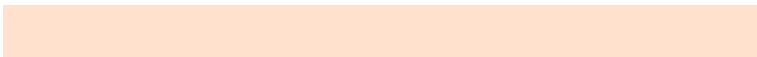
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 18.619, 12.836



85, 22.359, 13.267



91, 15.137, 59.963



50, 5.290, 11.792



40, 79.923, 35.897



10, 32.594, 23.069





# Inverse Universe

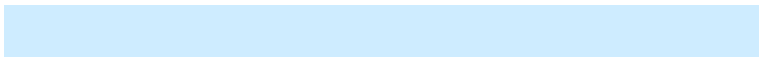
The Inverse Universe completely reimagines the original color for something new.



87, 18.619, 12.836



85, 22.359, 13.267



92, 13.842, 244.222



50, 5.290, 11.792



40, 79.923, 35.897



10, 32.594, 23.069



# Previews

## White Background



This preview shows how the CIELCh color 87, 18.856, 12.951 looks on a white background.

## Color Contrast Check

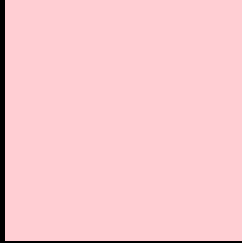
Large Text (above 18pt) WCAG AA × Fail

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, 18.856, 12.951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

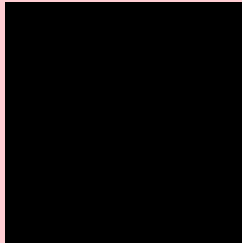
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 87, 18.856, 12.951

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.856, 12.951.



This preview shows how white text looks on a background with the CIELCh color 87, 18.856, 12.951.

# 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, 18.459, 12.746

### Protanopia

87, 1.808, 19.211

### Deuteranopia

87, 11.528, 22.784



**Tritanopia**  
87, 19.932, 357.961



# Trichromacy



**Original Color**  
87, 18.459, 12.746

**Protanomaly**  
87, 7.766, 12.205

**Deuteranomaly**  
87, 14.164, 18.335

**Tritanomaly**  
87, 19.464, 2.263

# Monochromacy



**Original Color**  
87, 18.459, 12.746

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
87, 6.654, 10.812

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 18.856, 12.951 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, 206, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 211)  
}
```

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, 206, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 18.856, 12.951 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, 206, 211) }
```

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

```
.border{ border-color:rgb(255, 206, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 18.856, 12.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 211) }
```

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

```
.background{ background-color: rgb(255,  
206, 211) }
```

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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