

# Converting Colors

CIELCh(87, 11.996, 19.925)

Have a look what the booklet for  
CIELCh(87, 11.996, 19.925) contains.

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# Color

**CIELCh(87, 12.253, 17.850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D2D3
RGB	243, 210, 211
RGB Percent	95%, 82%, 83%
CMY	0.0462, 0.1756, 0.1717
CMYK	0.00, 0.14, 0.13, 0.05
HSL	358°, 58%, 89%
HSV	358°, 14%, 95%
XYZ	71.9220, 70.0064, 71.4903
YIQ	219.9810, 19.3470, 7.3070

# Conversions

## Conversions Part 2

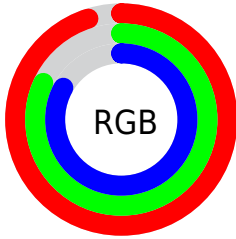
Format	Color
R <sub>Y</sub> B	243, 210, 211
Decimal	15979219
CIE Lab	87.00, 11.66, 3.76
CIE LCh	87, 12.253, 17.850
Yxy	70.0064, 0.3370, 0.3280
Android (android.graphics.Color)	4294169299 (0xFFF3D2D3)
YUV	219.9810, -4.4276, 20.1877
Hunter-Lab	83.6698, 7.0151, 7.9095

# Details

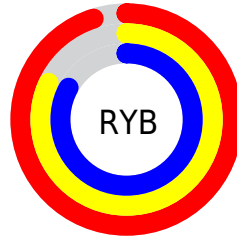
The CIELCh color **87, 12.253, 17.850** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94, 11.279, 196.106**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 12.638, 15.601** is the 20% darker color. If you saturate the color by 10%, you get **81, 22.088, 18.864**, and if you desaturate by 10%, it is **94, 3.103, 16.933**.

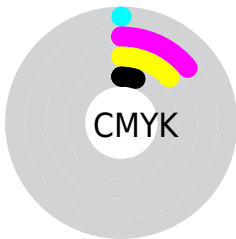
# Distribution



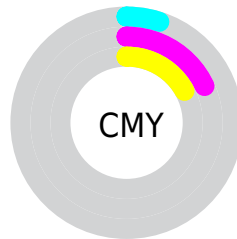
- Red (95%)
- Green (82%)
- Blue (83%)



- Red (95%)
- Yellow (82%)
- Blue (83%)



- Cyan (0%)
- Magenta (14%)
- Yellow (13%)
- Black (5%)



- Cyan (5%)
- Magenta (18%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.253, 17.850 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, 12.253, 17.850 by changing the saturation by 10% instead.



87, 12.253, 17.850

87, 12.253, 17.850

100, 12.253,  
17.850

77, 12.253, 17.850

67, 12.253, 17.850

57, 12.253, 17.850

47, 12.253, 17.850

37, 12.253, 17.850

27, 12.253, 17.850

17, 12.253, 17.850

7, 12.253, 17.850

0, 12.253, 17.850

87, 12.253, 17.850

87, 12.253, 17.850

81, 22.088, 18.864

94, 3.103, 16.933

74, 32.587, 20.130

99, 4.066, 199.310

69, 43.649, 21.763

63, 55.070, 23.877

59, 66.537, 26.589

55, 77.644, 29.954

53, 87.858, 33.815

51, 96.154, 37.508

51, 99.702, 39.128

# Harmonies

# Complementary

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



87, 12.253, 17.850



94, 11.279, 196.106

# Rectangle

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



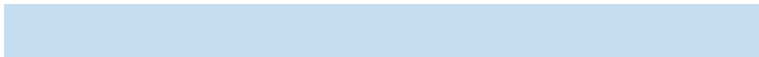
87, 12.253, 17.850



87, 12.253, 67.850



87, 12.253, 197.850



87, 12.253, 247.850

# Sweetspot

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



87, 12.251, 17.860



97, 3.620, 16.987



88, 20.633, 324.256



51, 2.580, 17.069



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

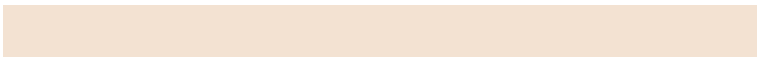
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 12.251, 17.860



89, 15.152, 18.089



91, 10.299, 70.078



48, 5.080, 17.499



39, 81.211, 38.794



8, 30.832, 23.803





# Inverse Universe

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



87, 12.251, 17.860



89, 15.152, 18.089



90, 9.879, 253.554



48, 5.080, 17.499



39, 81.211, 38.794

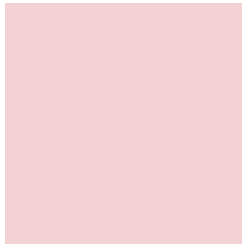


8, 30.832, 23.803



# Previews

## White Background



This preview shows how the CIELCh color 87, 12.253, 17.850 looks on a white background.

## Color Contrast Check

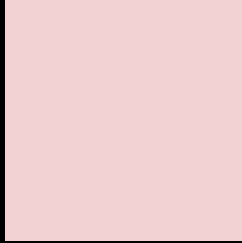
Large Text (above 18pt) WCAG AA × Fail

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, 12.253, 17.850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

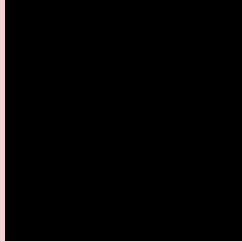
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 87, 12.253, 17.850

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.253, 17.850.



This preview shows how white text looks on a background with the CIELCh color 87, 12.253, 17.850.

# 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, 12.253, 17.850

### Protanopia

87, 2.403, 45.022

### Deuteranopia

87, 11.495, 20.209



**Tritanopia**  
87, 15.830, 348.824



# Trichromacy



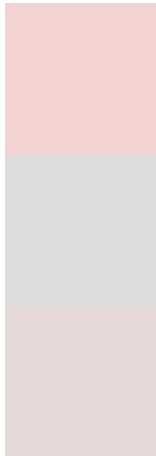
**Original Color**  
87, 12.253, 17.850

**Protanomaly**  
87, 5.507, 25.119

**Deuteranomaly**  
87, 11.495, 20.209

**Tritanomaly**  
87, 13.837, 358.346

# Monochromacy



**Original Color**  
87, 12.253, 17.850

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
87, 4.396, 12.786

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 12.253, 17.850 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(243, 210, 211)` looks like.

```
.text, #text, p{  
    color:rgb(243, 210, 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(243, 210, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 210, 211) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 12.253, 17.850 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(243, 210, 211) }
```

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

```
.border{ border-color:rgb(243, 210, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 210, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 210, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 210, 211);  
box-shadow:4px 4px 4px 4px rgb(243, 210,  
211) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 12.253, 17.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 210, 211) }
```

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

```
.background{ background-color: rgb(243,  
210, 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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