

Converting Colors

CIELCh(87, 12.299, 50.733)

Have a look what the booklet for
CIELCh(87, 12.299, 50.733) contains.

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Color

CIELCh(87, 12.306, 50.453)

Conversions

Conversions Part 1

Format	Color
Hex	F0D4C8
RGB	240, 212, 200
RGB Percent	94%, 83%, 78%
CMY	0.0576, 0.1674, 0.2145
CMYK	0.00, 0.12, 0.17, 0.06
HSL	18°, 58%, 86%
HSV	18°, 17%, 94%
XYZ	70.1245, 70.0064, 64.6473
YIQ	219.0040, 20.5400, 2.2040

Conversions

Conversions Part 2

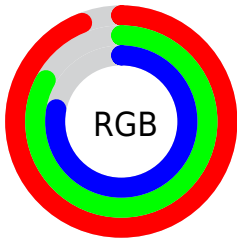
Format	Color
RYB	240, 217, 200
Decimal	15783112
CIELab	87.00, 7.84, 9.49
CIELCh	87, 12.306, 50.453
Yxy	70.0064, 0.3424, 0.3419
Android (android.graphics.Color)	4293973192 (0xFFFF0D4C8)
YUV	219.0040, -9.3690, 18.4135
Hunter-Lab	83.6698, 3.1804, 12.7586

Details

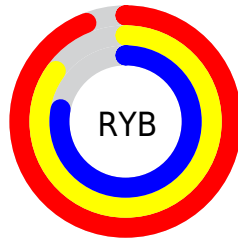
The CIELCh color **87, 12.306, 50.453** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89, 11.194, 233.006**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 12.493, 49.048** is the 20% darker color. If you saturate the color by 10%, you get **82, 20.477, 49.935**, and if you desaturate by 10%, it is **92, 4.730, 51.010**.

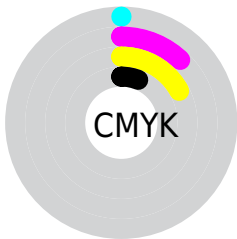
Distribution



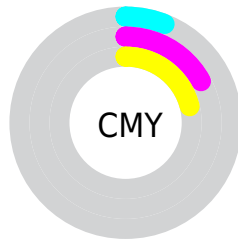
- Red (94%)
- Green (83%)
- Blue (78%)



- Red (94%)
- Yellow (85%)
- Blue (78%)



- Cyan (0%)
- Magenta (12%)
- Yellow (17%)
- Black (6%)



- Cyan (6%)
- Magenta (17%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.306, 50.453 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, 12.306, 50.453 by changing the saturation by 10% instead.

 87, 12.306, 50.453

 87, 12.306, 50.453

 100, 12.306,
50.453

 77, 12.306, 50.453

 67, 12.306, 50.453

 57, 12.306, 50.453

 47, 12.306, 50.453

 37, 12.306, 50.453

 27, 12.306, 50.453

 17, 12.306, 50.453

 7, 12.306, 50.453

 0, 12.306, 50.453

87, 12.306, 50.453

87, 12.306, 50.453

82, 20.477, 49.935

92, 4.730, 51.010

78, 29.291, 49.486

97, 2.306, 232.053

74, 38.771, 49.147

99, 5.055, 199.216

69, 48.891, 48.931

65, 59.523, 48.821

62, 70.329, 48.727

59, 80.530, 48.395

56, 88.629, 47.293

55, 90.950, 46.887

Harmonies

Complementary

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



87, 12.306, 50.453



89, 11.194, 233.006

Rectangle

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



87, 12.306, 50.453



87, 12.306, 100.453



87, 12.306, 230.453



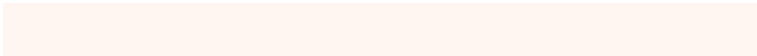
87, 12.306, 280.453

Sweetspot

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



87, 12.305, 50.466



97, 3.709, 51.076



85, 20.584, 335.436



52, 2.537, 51.050



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, 12.305, 50.466



90, 15.716, 50.278



92, 16.730, 98.473



48, 4.078, 50.867



43, 73.858, 47.447



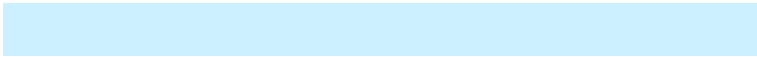
11, 24.826, 42.150

Inverse Universe

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



89, 11.194, 233.006



93, 13.991, 233.358



84, 17.042, 282.537



48, 3.874, 232.377



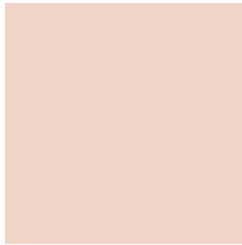
51, 38.259, 256.111



14, 15.755, 247.954

Previews

White Background



This preview shows how the CIELCh color 87, 12.306, 50.453 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, 12.306, 50.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

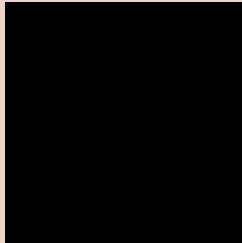
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 12.306, 50.453

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.306, 50.453.

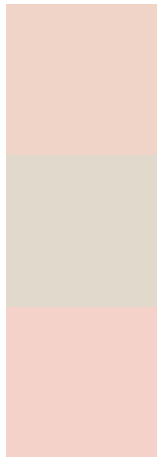


This preview shows how white text looks on a background with the CIELCh color 87, 12.306, 50.453.

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, 12.306, 50.453

Protanopia

87, 7.865, 87.359

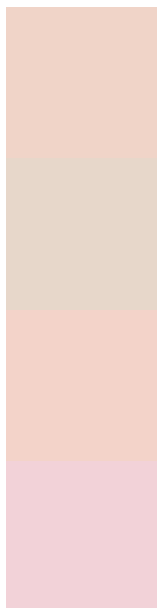
Deuteranopia

87, 14.067, 39.655



Tritanopia
87, 14.898, 346.475

Trichromacy



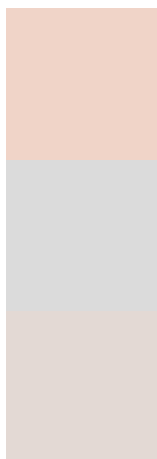
Original Color
87, 12.306, 50.453

Protanomaly
87, 9.033, 68.135

Deuteranomaly
87, 13.185, 43.347

Tritanomaly
87, 12.173, 5.438

Monochromacy



Original Color
87, 12.306, 50.453

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.476, 55.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.306, 50.453 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(240, 212, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 212, 200)  
}
```

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(240, 212, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 212, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.306, 50.453 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(240, 212, 200) }
```

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

```
.border{ border-color:rgb(240, 212, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 212, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 212, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 212, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 212,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.306, 50.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 212, 200) }
```

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

```
.background{ background-color: rgb(240,  
212, 200) }
```

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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