

Converting Colors

CIELCh(88, 2.230, 81.748)

Have a look what the booklet for
CIELCh(88, 2.230, 81.748) contains.

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Color

CIELCh(88, 1.886, 74.883)

Conversions

Conversions Part 1

Format	Color
Hex	DFDCD9
RGB	223, 220, 217
RGB Percent	87%, 86%, 85%
CMY	0.1245, 0.1363, 0.1481
CMYK	0.00, 0.01, 0.03, 0.12
HSL	30°, 9%, 86%
HSV	30°, 3%, 88%
XYZ	68.7216, 72.0653, 76.1007
YIQ	220.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

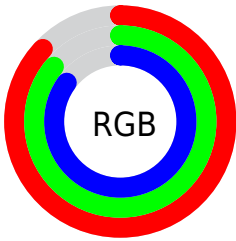
Format	Color
R_{YB}	223, 223, 217
Decimal	14671065
CIE Lab	88.00, 0.49, 1.82
CIE LCh	88, 1.886, 74.883
Yxy	72.0653, 0.3169, 0.3323
Android (android.graphics.Color)	4292861145 (0xFFDFDCD9)
YUV	220.5550, -1.7526, 2.1443
Hunter-Lab	84.8913, -4.0595, 6.2734

Details

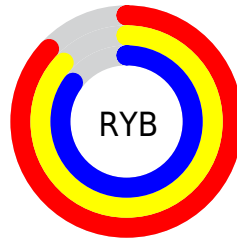
The CIELCh color **88, 1.886, 74.883** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **88, 1.890, 256.030**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 1.994, 74.834** is the 20% darker color. If you saturate the color by 10%, you get **85, 9.138, 73.893**, and if you desaturate by 10%, it is **91, 5.052, 256.444**.

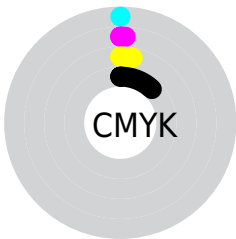
Distribution



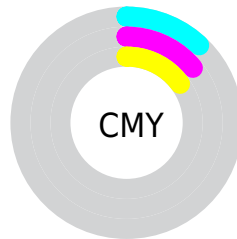
- Red (87%)
- Green (86%)
- Blue (85%)



- Red (87%)
- Yellow (87%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 1.886, 74.883 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 88, 1.886, 74.883 by changing the saturation by 10% instead.



88, 1.886, 74.883

88, 1.886, 74.883

85, 9.138, 73.893

91, 5.052, 256.444

81, 16.730, 72.663

95, 9.032, 244.423

78, 24.685, 71.407

97, 10.309,
202.543

75, 33.003, 70.136

98, 10.746,
198.789

72, 41.644, 68.850

69, 50.484, 67.523

66, 59.239, 66.090

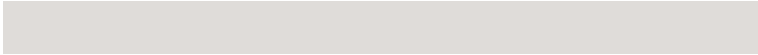
63, 67.332, 64.398

61, 73.790, 62.156

Harmonies

Complementary

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



88, 1.886, 74.883



88, 1.890, 256.030

Rectangle

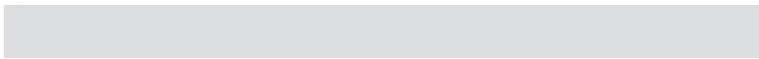
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 1.886, 74.883



88, 1.886, 124.883



88, 1.886, 254.883



88, 1.886, 304.883

Sweetspot

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



88, 1.887, 74.954



100, 0.773, 74.799



87, 2.689, 343.706



53, 0.439, 74.775



0, 0.000, 0.000



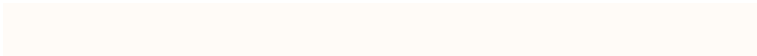
53, 0.007, 296.813

Same Dimension

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



88, 1.887, 74.954



99, 2.348, 74.937



89, 3.111, 109.899



47, 1.607, 74.883



47, 64.469, 60.791



11, 19.647, 60.307

Inverse Universe

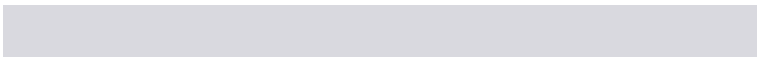
The Inverse Universe completely reimagines the original color for something new.



88, 1.890, 256.030



98, 2.348, 256.049



87, 3.149, 290.462



46, 1.601, 256.108



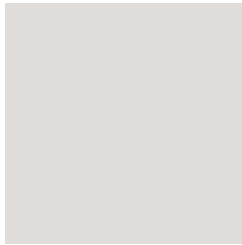
38, 54.553, 283.960



8, 18.994, 274.724

Previews

White Background



This preview shows how the CIELCh color 88, 1.886, 74.883 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 88, 1.886, 74.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

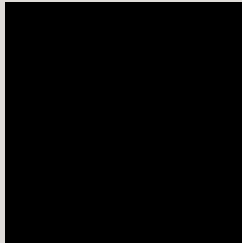
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

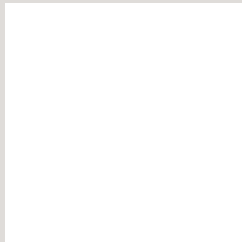
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 1.886, 74.883

Background



This preview shows how black text looks on a background with the CIELCh color 88, 1.886, 74.883.

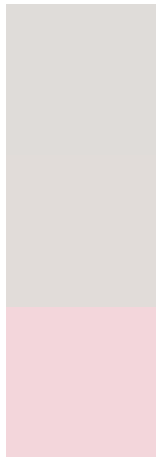


This preview shows how white text looks on a background with the CIELCh color 88, 1.886, 74.883.

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

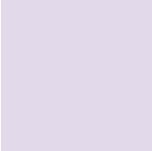
88, 1.886, 74.883

Protanopia

88, 2.375, 60.303

Deuteranopia

88, 10.935, 6.451



Tritanopia
88, 9.359, 308.353

Trichromacy



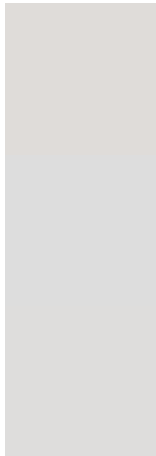
Original Color
88, 1.886, 74.883

Protanomaly
88, 2.113, 66.755

Deuteranomaly
88, 7.378, 11.775

Tritanomaly
88, 5.672, 312.635

Monochromacy



Original Color
88, 1.886, 74.883

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 0.621, 74.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 1.886, 74.883 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(223, 220, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 217)  
}
```

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(223, 220, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 1.886, 74.883 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(223, 220, 217) }
```

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

```
.border{ border-color:rgb(223, 220, 217) }
```

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

Here you see how a box with a 4 pixel rgb(223, 220, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 220, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 220, 217);  
box-shadow:4px 4px 4px 4px rgb(223, 220,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 1.886, 74.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 217) }
```

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

```
.background{ background-color: rgb(223,  
220, 217) }
```

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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