

Converting Colors

CIELCh(80, 3.761, 87.203)

Have a look what the booklet for
CIELCh(80, 3.761, 87.203) contains.

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Color

CIELCh(80, 3.987, 87.884)

Conversions

Conversions Part 1

Format	Color
Hex	CAC6BF
RGB	202, 198, 191
RGB Percent	79%, 78%, 75%
CMY	0.2080, 0.2237, 0.2511
CMYK	0.00, 0.02, 0.05, 0.21
HSL	38°, 9%, 77%
HSV	38°, 5%, 79%
XYZ	53.9314, 56.6813, 57.3659
YIQ	198.3980, 4.6310, -1.3290

Conversions

Conversions Part 2

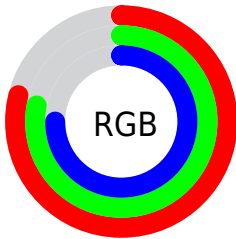
Format	Color
RYB	197, 202, 191
Decimal	13289151
CIELab	80.00, 0.15, 3.98
CIELCh	80, 3.987, 87.884
Yxy	56.6813, 0.3211, 0.3374
Android (android.graphics.Color)	4291479231 (0xFFCAC6BF)
YUV	198.3980, -3.6472, 3.1590
Hunter-Lab	75.2870, -3.8848, 7.5241

Details

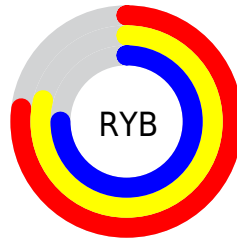
The CIELCh color **80, 3.987, 87.884** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 3.992, 269.415**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 4.046, 109.857**, and **60, 3.717, 84.530** is the 20% darker color. If you saturate the color by 10%, you get **78, 11.470, 86.680**, and if you desaturate by 10%, it is **82, 3.309, 269.289**.

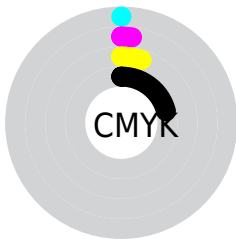
Distribution



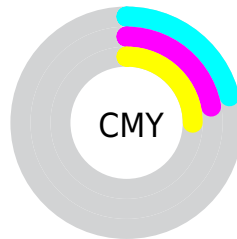
- Red (79%)
- Green (78%)
- Blue (75%)



- Red (77%)
- Yellow (79%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (21%)



- Cyan (21%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.987, 87.884 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 80, 3.987, 87.884 by changing the saturation by 10% instead.

■ 80, 3.987, 87.884

■ 80, 3.987, 87.884

■ 100, 3.987, 87.884

■ 70, 3.987, 87.884

■ 60, 3.987, 87.884

■ 50, 3.987, 87.884

■ 40, 3.987, 87.884

■ 30, 3.987, 87.884

■ 20, 3.987, 87.884

■ 10, 3.987, 87.884

■ 0, 3.987, 87.884

■ 80, 3.987, 87.884

■ 80, 3.987, 87.884

78, 11.470, 86.680

82, 3.309, 269.289

75, 19.136, 85.372

85, 10.432,
270.415

73, 26.973, 84.019

87, 17.392,
271.534

71, 34.933, 82.625

69, 42.912, 81.183

89, 16.421,
260.850

67, 50.701, 79.668

91, 14.825,
244.468

65, 57.913, 78.021

63, 63.905, 76.120

93, 14.612,
226.164

61, 67.854, 73.764

95, 15.804,
209.165

97, 17.500,
198.346

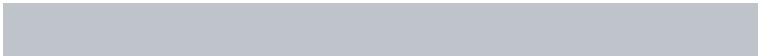
Harmonies

Complementary

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



80, 3.987, 87.884



79, 3.992, 269.415

Rectangle

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



80, 3.987, 87.884



80, 3.987, 137.884



80, 3.987, 267.884



80, 3.987, 317.884

Sweetspot

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



80, 3.988, 87.913



99, 1.756, 88.225



78, 4.622, 351.903



53, 0.998, 88.228



0, 0.000, 0.000



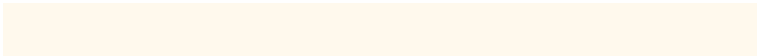
53, 0.007, 296.813

Same Dimension

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



80, 3.988, 87.913



98, 6.210, 87.721



81, 5.850, 114.997



42, 3.361, 87.670



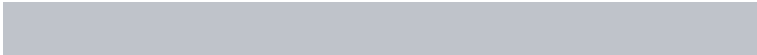
50, 59.763, 73.093



10, 15.055, 75.168

Inverse Universe

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



79, 3.992, 269.415



96, 6.203, 269.622



78, 5.934, 295.837



41, 3.355, 269.677



29, 66.885, 294.519



4, 17.677, 280.565

Previews

White Background



This preview shows how the CIELCh color 80, 3.987, 87.884 looks on a white background.

Color Contrast Check

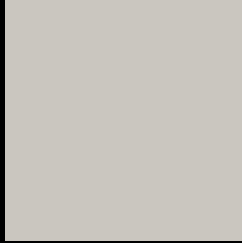
Large Text (above 18pt) WCAG AA × Fail

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 80, 3.987, 87.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

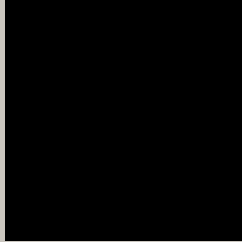
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

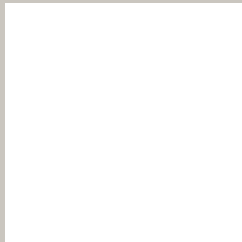
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.987, 87.884

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.987, 87.884.

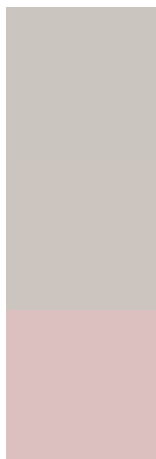


This preview shows how white text looks on a background with the CIELCh color 80, 3.987, 87.884.

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


80, 3.987, 87.884

Protanopia

80, 4.101, 70.308

Deuteranopia

80, 10.564, 20.196



Tritanopia
80, 8.816, 314.944

Trichromacy



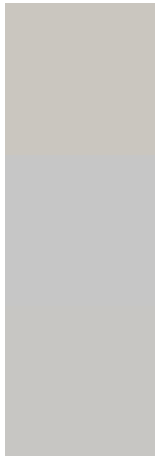
Original Color
80, 3.987, 87.884

Protanomaly
80, 3.875, 74.611

Deuteranomaly
80, 7.206, 28.330

Tritanomaly
80, 4.767, 328.210

Monochromacy



Original Color
80, 3.987, 87.884

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.624, 96.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.987, 87.884 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(202, 198, 191)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 191)  
}
```

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(202, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.987, 87.884 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(202, 198, 191) }
```

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

```
.border{ border-color:rgb(202, 198, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(202, 198,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.987, 87.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 191) }
```

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

```
.background{ background-color: rgb(202,  
198, 191) }
```

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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