

Converting Colors

CIELCh(82, 4.036, 303.134)

Have a look what the booklet for
CIELCh(82, 4.036, 303.134) contains.

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Color

CIELCh(82, 3.796, 301.446)

Conversions

Conversions Part 1

Format	Color
Hex	CDCBD2
RGB	205, 203, 210
RGB Percent	80%, 80%, 82%
CMY	0.1963, 0.2042, 0.1767
CMYK	0.02, 0.03, 0.00, 0.18
HSL	257°, 7%, 81%
HSV	257°, 3%, 82%
XYZ	58.1215, 60.2982, 69.5024
YIQ	204.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

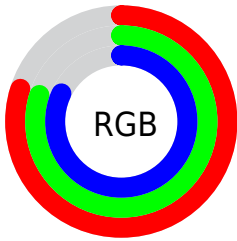
Format	Color
R _Y B	205, 203, 210
Decimal	13487058
CIE Lab	82.00, 1.98, -3.24
CIE LCh	82, 3.796, 301.446
Yxy	60.2982, 0.3093, 0.3209
Android (android.graphics.Color)	4291677138 (0xFFCDBCBD2)
YUV	204.3960, 2.7628, 0.5297
Hunter-Lab	77.6519, -2.2859, 1.2888

Details

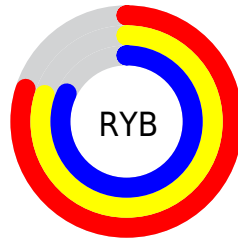
The CIELCh color $82, 3.796, 301.446$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 3.752, 121.071$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $62, 4.017, 301.513$ is the 20% darker color. If you saturate the color by 10%, you get $75, 15.427, 302.082$, and if you desaturate by 10%, it is $89, 7.426, 120.894$.

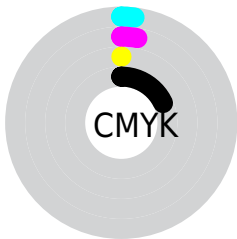
Distribution



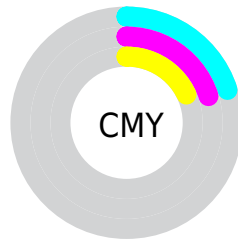
- Red (80%)
- Green (80%)
- Blue (82%)



- Red (80%)
- Yellow (80%)
- Blue (82%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (20%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 3.796, 301.446 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 82, 3.796, 301.446 by changing the saturation by 10% instead.

■ 82, 3.796, 301.446

■ 82, 3.796, 301.446

100, 3.796,
301.446

■ 72, 3.796, 301.446

■ 62, 3.796, 301.446

■ 52, 3.796, 301.446

■ 42, 3.796, 301.446

■ 32, 3.796, 301.446

■ 22, 3.796, 301.446

■ 12, 3.796, 301.446

■ 2, 3.796, 301.446

■ 0, 3.796, 301.446

82, 3.796, 301.446

82, 3.796, 301.446

75, 15.427,
302.082

89, 7.426, 120.894

69, 27.483,
302.812

95, 18.250,
120.408

62, 39.949,
303.632

99, 22.859,
113.166

56, 52.770,
304.535

99, 22.763,
108.453

50, 65.799,
305.497

44, 78.727,
306.463

38, 90.955,
307.335

34, 101.499,
307.958

■ 30,109.090,
308.144

Harmonies

Complementary

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



82, 3.796, 301.446



84, 3.752, 121.071

Rectangle

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



82, 3.796, 301.446



82, 3.796, 351.446



82, 3.796, 121.446



82, 3.796, 171.446

Sweetspot

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



82, 3.794, 301.433



99, 1.336, 301.270



83, 2.072, 229.959



53, 0.760, 301.265



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 3.794, 301.433



97, 5.337, 301.478



82, 4.230, 318.405



42, 3.225, 301.519



22, 95.285, 308.202



2, 25.940, 300.429

Inverse Universe

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



82, 3.696, 333.829



97, 5.197, 333.893



84, 4.205, 138.216



43, 3.139, 333.948



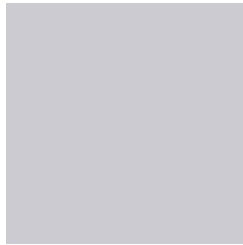
37, 68.353, 343.679



5, 24.971, 340.094

Previews

White Background



This preview shows how the CIELCh color 82, 3.796, 301.446 looks on a white background.

Color Contrast Check

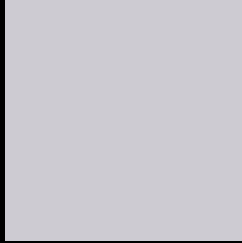
Large Text (above 18pt) WCAG AA × Fail

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 82, 3.796, 301.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

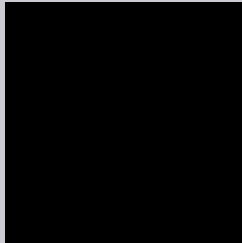
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

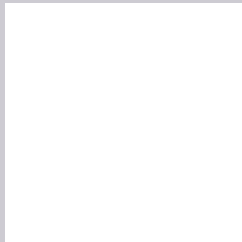
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 3.796, 301.446

Background



This preview shows how black text looks on a background with the CIELCh color 82, 3.796, 301.446.

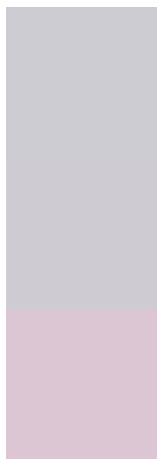


This preview shows how white text looks on a background with the CIELCh color 82, 3.796, 301.446.

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


82, 3.796, 301.446

Protanopia

82, 3.885, 306.666

Deuteranopia

82, 10.605, 339.788



Tritanopia
82, 8.629, 300.376

Trichromacy



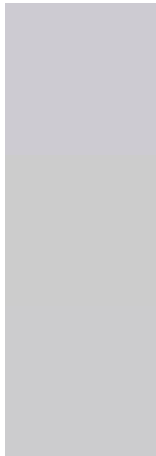
Original Color
82, 3.796, 301.446

Protanomaly
82, 3.885, 306.666

Deuteranomaly
82, 8.016, 333.388

Tritanomaly
82, 7.067, 302.429

Monochromacy



Original Color
82, 3.796, 301.446

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 1.068, 290.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 3.796, 301.446 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(205, 203, 210)` looks like.

```
.text, #text, p{  
    color:rgb(205, 203, 210)  
}
```

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(205, 203, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 203, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 3.796, 301.446 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(205, 203, 210) }
```

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

```
.border{ border-color:rgb(205, 203, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 203, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 203, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 203, 210);  
box-shadow:4px 4px 4px 4px rgb(205, 203,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 3.796, 301.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 203, 210) }
```

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

```
.background{ background-color: rgb(205,  
203, 210) }
```

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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