

Converting Colors

CIELCh(81, 0.845, 290.330)

Have a look what the booklet for
CIELCh(81, 0.845, 290.330) contains.

CIELCh(81, 1.071, 290.333)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 1.071, 290.333)

Conversions

Conversions Part 1

Format	Color
Hex	C9C9CB
RGB	201, 201, 203
RGB Percent	79%, 79%, 80%
CMY	0.2119, 0.2119, 0.2041
CMYK	0.01, 0.01, 0.00, 0.20
HSL	240°, 2%, 79%
HSV	240°, 1%, 80%
XYZ	55.7236, 58.4711, 64.8189
YIQ	201.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

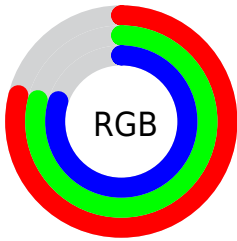
Format	Color
R _Y B	201, 201, 203
Decimal	13224395
CIE Lab	81.00, 0.37, -1.00
CIE LCh	81, 1.071, 290.333
Yxy	58.4711, 0.3113, 0.3266
Android (android.graphics.Color)	4291414475 (0xFFC9C9CB)
YUV	201.2280, 0.8736, -0.2000
Hunter-Lab	76.4664, -3.7374, 3.2676

Details

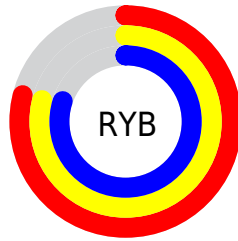
The CIELCh color $81, 1.071, 290.333$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 1.048, 109.954$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 1.132, 290.349$ is the 20% darker color. If you saturate the color by 10%, you get $74, 12.057, 291.259$, and if you desaturate by 10%, it is $88, 9.496, 109.308$.

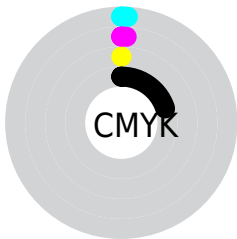
Distribution



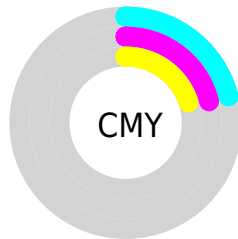
- Red (79%)
- Green (79%)
- Blue (80%)



- Red (79%)
- Yellow (79%)
- Blue (80%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (21%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 1.071, 290.333 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 81, 1.071, 290.333 by changing the saturation by 10% instead.

■ 81, 1.071, 290.333

■ 81, 1.071, 290.333

100, 1.071,
290.333

■ 71, 1.071, 290.333

■ 61, 1.071, 290.333

■ 51, 1.071, 290.333

■ 41, 1.071, 290.333

■ 31, 1.071, 290.333

■ 21, 1.071, 290.333

■ 11, 1.071, 290.333

■ 1, 1.071, 290.333

■ 0, 1.071, 290.333

81, 1.071, 290.333

81, 1.071, 290.333

74, 12.057,
291.259

88, 9.496, 109.308

67, 23.502,
292.493

94, 19.671,
108.554

61, 35.440,
293.949

99, 26.259,
108.185

54, 47.893,
295.648

47, 60.837,
297.595

41, 74.108,
299.742

35, 87.219,
301.959

30, 99.074,
303.988

■ 26,107.911,
305.488

Harmonies

Complementary

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



81, 1.071, 290.333



82, 1.048, 109.954

Rectangle

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



81, 1.071, 290.333



81, 1.071, 340.333



81, 1.071, 110.333



81, 1.071, 160.333

Sweetspot

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



81, 1.069, 290.266

100, 0.012, 296.813



82, 0.726, 198.725



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



81, 1.069, 290.266



99, 1.306, 290.267



81, 1.132, 308.427



43, 0.618, 290.264



19, 96.846, 306.264



1, 23.506, 292.405

Inverse Universe

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



81, 0.733, 18.563



99, 0.895, 18.586



82, 1.111, 128.544



43, 0.423, 18.524



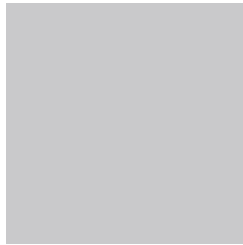
34, 75.483, 39.754



4, 17.911, 19.320

Previews

White Background



This preview shows how the CIELCh color 81, 1.071, 290.333 looks on a white background.

Color Contrast Check

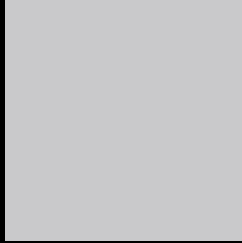
Large Text (above 18pt) WCAG AA × Fail

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 81, 1.071, 290.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

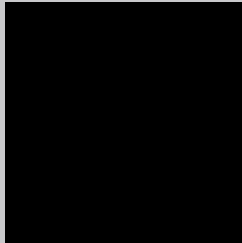
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

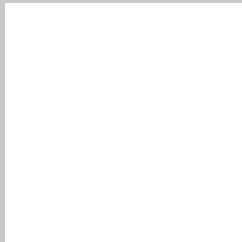
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 1.071, 290.333

Background



This preview shows how black text looks on a background with the CIELCh color 81, 1.071, 290.333.

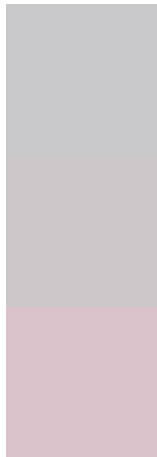


This preview shows how white text looks on a background with the CIELCh color 81, 1.071, 290.333.

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


81, 1.071, 290.333

Protanopia

81, 1.823, 343.584

Deuteranopia

81, 10.075, 351.953



Tritanopia
81, 8.653, 300.383

Trichromacy



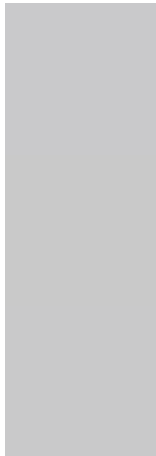
Original Color
81, 1.071, 290.333

Protanomaly
81, 1.542, 335.539

Deuteranomaly
81, 6.667, 346.024

Tritanomaly
81, 5.906, 297.663

Monochromacy



Original Color
81, 1.071, 290.333

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 0.540, 290.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 1.071, 290.333 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(201, 201, 203)` looks like.

```
.text, #text, p{  
    color:rgb(201, 201, 203)  
}
```

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(201, 201, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 201, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 1.071, 290.333 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(201, 201, 203) }
```

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

```
.border{ border-color:rgb(201, 201, 203) }
```

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

Here you see how a box with a 4 pixel rgb(201, 201, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 201, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 201, 203);  
box-shadow:4px 4px 4px 4px rgb(201, 201,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 1.071, 290.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 201, 203) }
```

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

```
.background{ background-color: rgb(201,  
201, 203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor