

Converting Colors

CIELCh(81, 1.219, 55.221)

Have a look what the booklet for
CIELCh(81, 1.219, 55.221) contains.

CIELCh(81, 1.275, 74.892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 1.275, 74.892)

Conversions

Conversions Part 1

Format	Color
Hex	CBC9C7
RGB	203, 201, 199
RGB Percent	80%, 79%, 78%
CMY	0.2047, 0.2125, 0.2203
CMYK	0.00, 0.01, 0.02, 0.20
HSL	30°, 4%, 79%
HSV	30°, 2%, 80%
XYZ	55.7076, 58.4711, 62.2696
YIQ	201.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

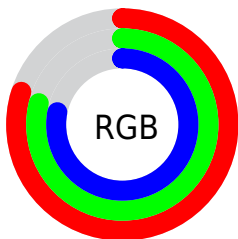
Format	Color
R _{YB}	203, 203, 199
Decimal	13355463
CIE _{Lab}	81.00, 0.33, 1.23
CIE _{LCh}	81, 1.275, 74.892
Y _{xy}	58.4711, 0.3157, 0.3314
Android (android.graphics.Color)	4291545543 (0xFFC9C7)
Y _{UV}	201.3700, -1.1684, 1.4295
Hunter-Lab	76.4664, -3.7746, 5.2443

Details

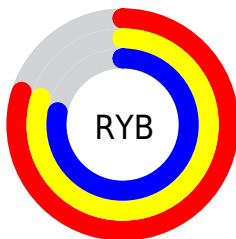
The CIELCh color **81, 1.275, 74.892** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 1.284, 256.042**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **61, 1.354, 74.887** is the 20% darker color. If you saturate the color by 10%, you get **78, 7.961, 74.014**, and if you desaturate by 10%, it is **84, 5.124, 256.543**.

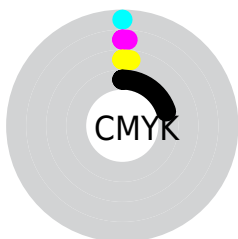
Distribution



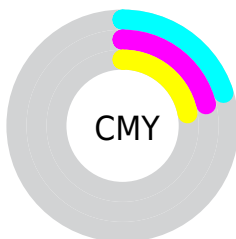
- Red (80%)
- Green (79%)
- Blue (78%)



- Red (80%)
- Yellow (80%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (20%)














- Cyan (20%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 1.275, 74.892 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, 1.275, 74.892 by changing the saturation by 10% instead.

 81, 1.275, 74.892	 81, 1.275, 74.892
100, 1.275, 74.892	 71, 1.275, 74.892
	 61, 1.275, 74.892
	 51, 1.275, 74.892
	 41, 1.275, 74.892
	 31, 1.275, 74.892
	 21, 1.275, 74.892
	 11, 1.275, 74.892
	 1, 1.275, 74.892
	 0, 1.275, 74.892

81, 1.275, 74.892

81, 1.275, 74.892

78, 7.961, 74.014

84, 5.124, 256.543

75, 14.957, 72.794

87, 11.268,
257.659

72, 22.286, 71.546

90, 15.264,
253.421

69, 29.950, 70.284

66, 37.916, 69.006

93, 14.339,
228.387

63, 46.082, 67.693

96, 16.106,
205.011

61, 54.207, 66.285

58, 61.803, 64.645

97, 17.238,
198.363

56, 68.019, 62.503

Harmonies

Complementary

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



81, 1.275, 74.892



81, 1.284, 256.042

Rectangle

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



81, 1.275, 74.892



81, 1.275, 124.892



81, 1.275, 254.892



81, 1.275, 304.892

Sweetspot

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



81, 1.276, 74.989



100, 0.774, 74.825



81, 1.824, 343.586



53, 0.440, 74.801



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 1.276, 74.989



99, 1.559, 74.990



82, 2.107, 109.960



43, 0.737, 74.986



45, 61.623, 60.997



8, 14.350, 57.967

Inverse Universe

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



81, 1.284, 256.042



99, 1.569, 256.041



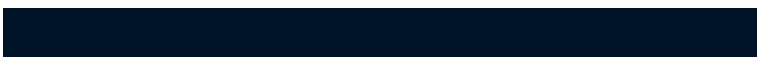
80, 2.135, 290.398



43, 0.743, 256.045



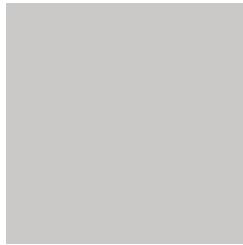
36, 51.986, 283.760



6, 15.164, 271.263

Previews

White Background



This preview shows how the CIELCh color 81, 1.275, 74.892 looks on a white background.

Color Contrast Check

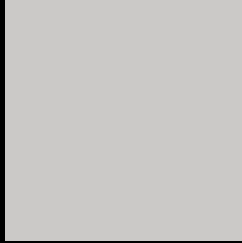
Large Text (above 18pt) WCAG AA × Fail

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, 1.275, 74.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

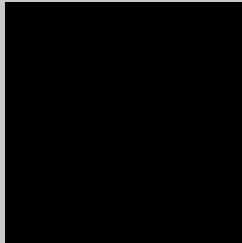
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

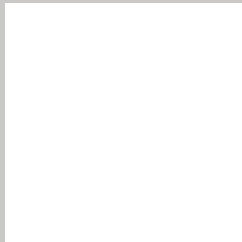
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 1.275, 74.892

Background



This preview shows how black text looks on a background with the CIELCh color 81, 1.275, 74.892.

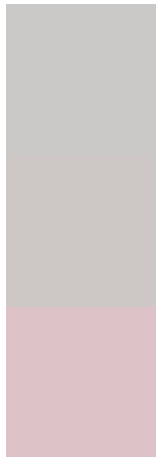


This preview shows how white text looks on a background with the CIELCh color 81, 1.275, 74.892.

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, 1.275, 74.892

Protanopia

81, 2.113, 49.340

Deuteranopia

81, 10.035, 4.905



Tritanopia
81, 8.911, 307.200

Trichromacy



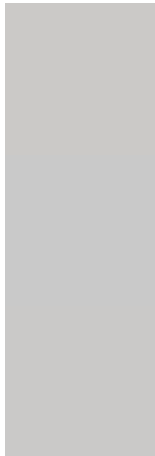
Original Color
81, 1.275, 74.892

Protanomaly
81, 1.801, 55.191

Deuteranomaly
81, 6.499, 5.703

Tritanomaly
81, 5.143, 311.139

Monochromacy



Original Color
81, 1.275, 74.892

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 0.633, 74.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 1.275, 74.892 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(203, 201, 199)` looks like.

```
.text, #text, p{  
    color:rgb(203, 201, 199)  
}
```

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(203, 201, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 201, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 1.275, 74.892 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(203, 201, 199) }
```

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

```
.border{ border-color:rgb(203, 201, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 201, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 201, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 201, 199);  
box-shadow:4px 4px 4px 4px rgb(203, 201,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 1.275, 74.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 201, 199) }
```

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

```
.background{ background-color: rgb(203,  
201, 199) }
```

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