

Converting Colors

CIELCh(81, 1.646, 303.092)

Have a look what the booklet for
CIELCh(81, 1.646, 303.092) contains.

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Color

CIELCh(81, 1.647, 303.089)

Conversions

Conversions Part 1

Format	Color
Hex	CAC9CC
RGB	202, 201, 204
RGB Percent	79%, 79%, 80%
CMY	0.2092, 0.2131, 0.2013
CMYK	0.01, 0.01, 0.00, 0.20
HSL	260°, 3%, 79%
HSV	260°, 1%, 80%
XYZ	55.9343, 58.4711, 65.2540
YIQ	201.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

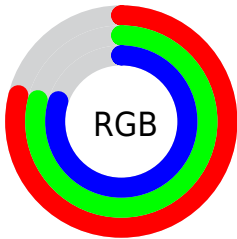
Format	Color
RYB	202, 201, 204
Decimal	13289932
CIELab	81.00, 0.90, -1.38
CIELCh	81, 1.647, 303.089
Yxy	58.4711, 0.3113, 0.3255
Android (android.graphics.Color)	4291480012 (0xFFCAC9CC)
YUV	201.6410, 1.1630, 0.3148
Hunter-Lab	76.4664, -3.2454, 2.9303

Details

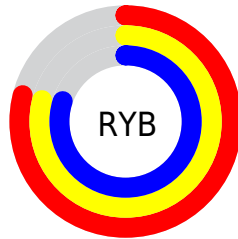
The CIELCh color **81, 1.647, 303.089** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 1.621, 122.979**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **61, 1.743, 303.124** is the 20% darker color. If you saturate the color by 10%, you get **75, 12.989, 303.666**, and if you desaturate by 10%, it is **87, 9.308, 122.603**.

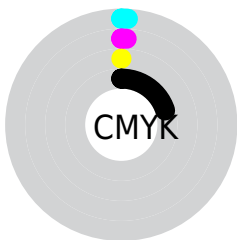
Distribution



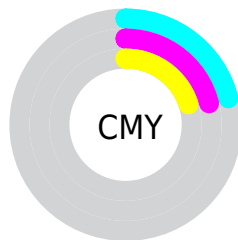
- Red (79%)
- Green (79%)
- Blue (80%)



- 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, 1.647, 303.089 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, 1.647, 303.089 by changing the saturation by 10% instead.

■ 81, 1.647, 303.089

■ 81, 1.647, 303.089

100, 1.647,
303.089

■ 71, 1.647, 303.089

■ 61, 1.647, 303.089

■ 51, 1.647, 303.089

■ 41, 1.647, 303.089

■ 31, 1.647, 303.089

■ 21, 1.647, 303.089

■ 11, 1.647, 303.089

■ 1, 1.647, 303.089

■ 0, 1.647, 303.089

81, 1.647, 303.089

81, 1.647, 303.089

75, 12.989,
303.666

87, 9.308, 122.603

68, 24.728,
304.317

94, 19.886,
122.163

62, 36.846,
305.042

98, 26.374,
118.415

56, 49.286,
305.833

99, 25.902,
108.212

50, 61.910,
306.668

44, 74.437,
307.499

39, 86.346,
308.242

34, 96.784,
308.763

■ 30,104.632,
308.896

Harmonies

Complementary

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



81, 1.647, 303.089



82, 1.621, 122.979

Rectangle

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



81, 1.647, 303.089



81, 1.647, 353.089



81, 1.647, 123.089



81, 1.647, 173.089

Sweetspot

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



81, 1.645, 303.061

100, 0.012, 296.813



81, 0.895, 234.295



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, 1.645, 303.061



98, 2.683, 303.101



81, 1.841, 319.256



42, 1.270, 303.091



22, 93.429, 308.853



2, 23.960, 301.076

Inverse Universe

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



81, 1.540, 335.505



99, 2.511, 335.606



82, 1.822, 139.361



43, 1.188, 335.583



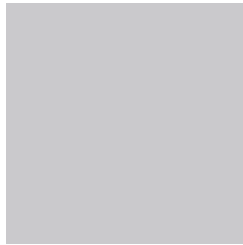
36, 65.650, 347.147



4, 22.166, 342.765

Previews

White Background



This preview shows how the CIELCh color 81, 1.647, 303.089 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, 1.647, 303.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

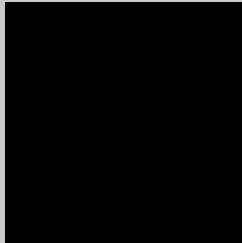
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

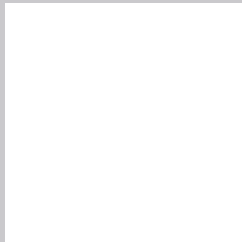
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 1.647, 303.089

Background



This preview shows how black text looks on a background with the CIELCh color 81, 1.647, 303.089.

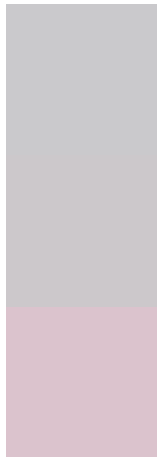


This preview shows how white text looks on a background with the CIELCh color 81, 1.647, 303.089.

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, 1.647, 303.089

Protanopia

81, 2.180, 332.315

Deuteranopia

81, 10.327, 349.349



Tritanopia
81, 8.653, 300.383

Trichromacy



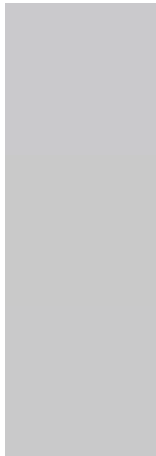
Original Color
81, 1.647, 303.089

Protanomaly
81, 1.951, 324.389

Deuteranomaly
81, 7.269, 344.215

Tritanomaly
81, 5.965, 301.081

Monochromacy



Original Color
81, 1.647, 303.089

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, 1.647, 303.089 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, 201, 204)` looks like.

```
.text, #text, p{  
    color:rgb(202, 201, 204)  
}
```

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, 201, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 201, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 1.647, 303.089 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, 201, 204) }
```

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

```
.border{ border-color:rgb(202, 201, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 201, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 201, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 201, 204);  
box-shadow:4px 4px 4px 4px rgb(202, 201,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 1.647, 303.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 201, 204) }
```

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

```
.background{ background-color: rgb(202,  
201, 204) }
```

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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