

Converting Colors

CIELCh(83, 1.508, 300.008)

Have a look what the booklet for
CIELCh(83, 1.508, 300.008) contains.

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Color

CIELCh(83, 1.640, 303.086)

Conversions

Conversions Part 1

Format	Color
Hex	CFCED1
RGB	207, 206, 209
RGB Percent	81%, 81%, 82%
CMY	0.1873, 0.1913, 0.1795
CMYK	0.01, 0.01, 0.00, 0.18
HSL	260°, 3%, 81%
HSV	260°, 1%, 82%
XYZ	59.4567, 62.1629, 69.3327
YIQ	206.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

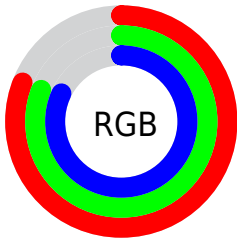
Format	Color
RYP	207, 206, 209
Decimal	13618897
CIELab	83.00, 0.90, -1.37
CIElCh	83, 1.640, 303.086
Yxy	62.1629, 0.3114, 0.3255
Android (android.graphics.Color)	4291808977 (0xFFCFCEd1)
YUV	206.6410, 1.1630, 0.3148
Hunter-Lab	78.8435, -3.3674, 3.0525

Details

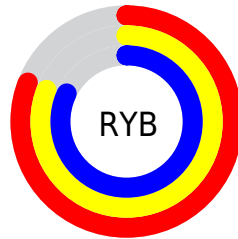
The CIELCh color `83, 1.640, 303.086` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 1.614, 122.981`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 1.732, 303.120` is the 20% darker color. If you saturate the color by 10%, you get `77, 13.232, 303.664`, and if you desaturate by 10%, it is `89, 9.556, 122.599`.

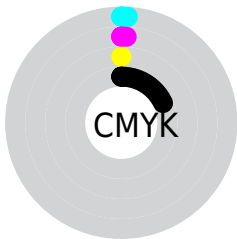
Distribution



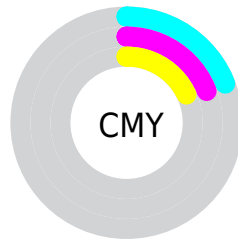
- Red (81%)
- Green (81%)
- Blue (82%)



- Red (81%)
- Yellow (81%)
- Blue (82%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)



- Cyan (19%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 1.640, 303.086 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 83, 1.640, 303.086 by changing the saturation by 10% instead.

■ 83, 1.640, 303.086

■ 83, 1.640, 303.086

100, 1.640,
303.086

■ 73, 1.640, 303.086

■ 63, 1.640, 303.086

■ 53, 1.640, 303.086

■ 43, 1.640, 303.086

■ 33, 1.640, 303.086

■ 23, 1.640, 303.086

■ 13, 1.640, 303.086

■ 3, 1.640, 303.086

■ 0, 1.640, 303.086

83, 1.640, 303.086

83, 1.640, 303.086

77, 13.232,
303.664

89, 9.556, 122.599

70, 25.230,
304.316

96, 20.366,
122.159

64, 37.616,
305.042

99, 23.241,
113.815

57, 50.332,
305.835

99, 23.117,
108.426

51, 63.236,
306.672

45, 76.039,
307.504

40, 88.203,
308.247

35, 98.854,
308.766

■ 31, 106.840,
308.894

Harmonies

Complementary

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



83, 1.640, 303.086



84, 1.614, 122.981

Rectangle

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



83, 1.640, 303.086



83, 1.640, 353.086



83, 1.640, 123.086



83, 1.640, 173.086

Sweetspot

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



83, 1.638, 303.057

100, 0.012, 296.813



83, 0.891, 234.307



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



83, 1.638, 303.057



98, 2.683, 303.100



83, 1.833, 319.252



44, 1.296, 303.090



23, 94.502, 308.841



2, 26.058, 301.766

Inverse Universe

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



83, 1.533, 335.496



99, 2.511, 335.605



84, 1.813, 139.366



44, 1.213, 335.583



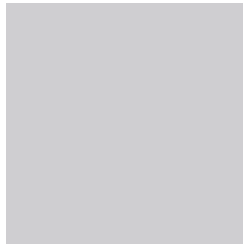
37, 66.380, 347.176



5, 24.124, 342.880

Previews

White Background



This preview shows how the CIELCh color 83, 1.640, 303.086 looks on a white background.

Color Contrast Check

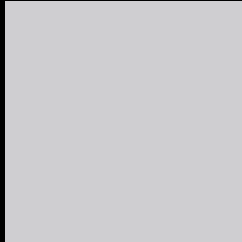
Large Text (above 18pt) WCAG AA × Fail

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 83, 1.640, 303.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

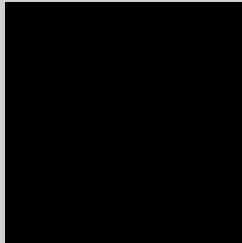
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

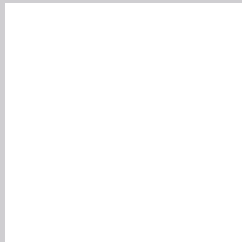
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 1.640, 303.086

Background



This preview shows how black text looks on a background with the CIELCh color 83, 1.640, 303.086.

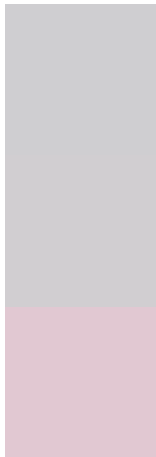


This preview shows how white text looks on a background with the CIELCh color 83, 1.640, 303.086.

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

83, 1.640, 303.086

Protanopia

83, 1.941, 324.383

Deuteranopia

83, 10.598, 350.392



Tritanopia
83, 9.201, 302.032

Trichromacy



Original Color

83, 1.640, 303.086

Protanomaly

83, 1.760, 314.628

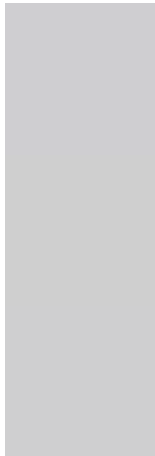
Deuteranomaly

83, 7.536, 345.869

Tritanomaly

83, 6.458, 300.254

Monochromacy



Original Color

83, 1.640, 303.086

Achromatopsia

83, 0.010, 296.813

Achromatomaly

83, 0.538, 290.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 1.640, 303.086 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(207, 206, 209)` looks like.

```
.text, #text, p{  
    color:rgb(207, 206, 209)  
}
```

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(207, 206, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 206, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 1.640, 303.086 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(207, 206, 209) }
```

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

```
.border{ border-color:rgb(207, 206, 209) }
```

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

Here you see how a box with a 4 pixel rgb(207, 206, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 206, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 206, 209);  
box-shadow:4px 4px 4px 4px rgb(207, 206,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 1.640, 303.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 206, 209) }
```

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

```
.background{ background-color: rgb(207,  
206, 209) }
```

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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