

Converting Colors

CIELCh(82, 1.440, 82.259)

Have a look what the booklet for
CIELCh(82, 1.440, 82.259) contains.

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Color

CIELCh(82, 1.615, 96.888)

Conversions

Conversions Part 1

Format	Color
Hex	CDCCC9
RGB	205, 204, 201
RGB Percent	80%, 80%, 79%
CMY	0.1966, 0.2005, 0.2123
CMYK	0.00, 0.00, 0.02, 0.20
HSL	45°, 4%, 80%
HSV	45°, 2%, 80%
XYZ	57.2328, 60.2982, 63.8031
YIQ	203.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

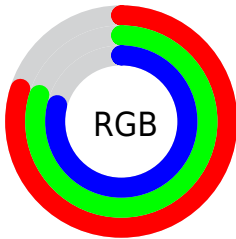
Format	Color
R_{YB}	202, 205, 201
Decimal	13487305
CIE Lab	82.00, -0.19, 1.60
CIE LCh	82, 1.615, 96.888
Yxy	60.2982, 0.3156, 0.3325
Android (android.graphics.Color)	4291677385 (0xFFCDCCC9)
YUV	203.9570, -1.4578, 0.9147
Hunter-Lab	77.6519, -4.3286, 5.6404

Details

The CIELCh color **82, 1.615, 96.888** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 1.637, 277.634**, 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, 1.712, 96.843** is the 20% darker color. If you saturate the color by 10%, you get **80, 10.009, 95.866**, and if you desaturate by 10%, it is **84, 6.668, 278.232**.

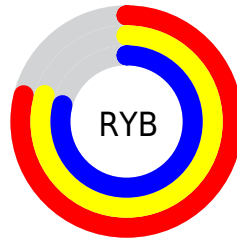
Distribution



Red (80%)

Green (80%)

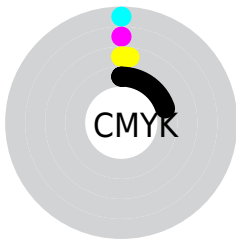
Blue (79%)



Red (79%)

Yellow (80%)

Blue (79%)

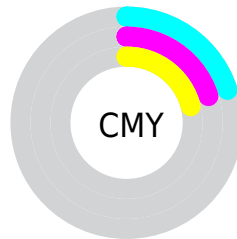


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (20%)



Cyan (20%)

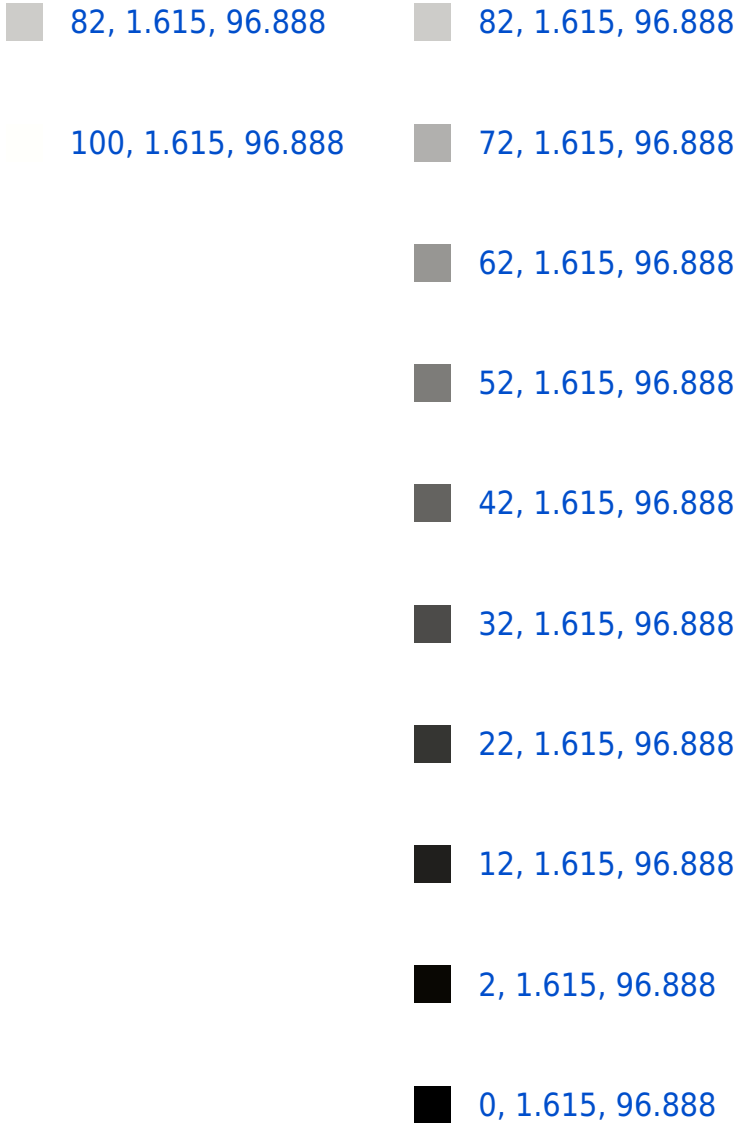
Magenta (20%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 1.615, 96.888 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, 1.615, 96.888 by changing the saturation by 10% instead.



82, 1.615, 96.888

82, 1.615, 96.888

80, 10.009, 95.866

84, 6.668, 278.232

78, 18.494, 94.652

86, 14.839,
279.306

77, 27.040, 93.397

87, 19.187,
277.510

75, 35.579, 92.110

73, 43.987, 90.793

89, 17.066,
269.456

72, 52.041, 89.442

90, 15.363,
259.458

70, 59.363, 88.038

69, 65.370, 86.536

91, 14.221,
247.521

68, 69.339, 84.851

93, 13.767,
234.263

94, 14.057,
220.924

■ 95, 15.036,
208.790

Harmonies

Complementary

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



82, 1.615, 96.888



81, 1.637, 277.634

Rectangle

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



82, 1.615, 96.888



82, 1.615, 146.888



82, 1.615, 276.888



82, 1.615, 326.888

Sweetspot

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



82, 1.617, 96.949



100, 0.983, 96.948



81, 1.566, 359.375



53, 0.559, 96.942



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, 1.617, 96.949



100, 1.979, 96.945



82, 2.140, 119.805



43, 0.936, 96.953



55, 60.782, 83.679



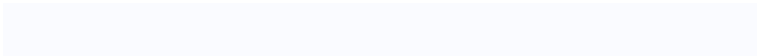
11, 16.634, 87.517

Inverse Universe

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



81, 1.637, 277.634



99, 2.003, 277.639



81, 2.168, 300.015



43, 0.948, 277.630



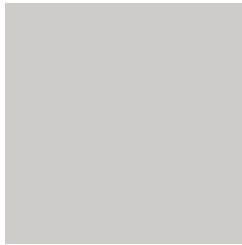
25, 79.367, 300.395



3, 19.542, 285.337

Previews

White Background



This preview shows how the CIELCh color 82, 1.615, 96.888 looks on a white background.

Color Contrast Check

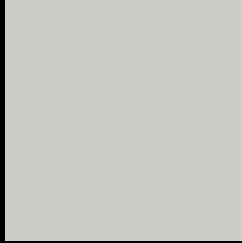
Large Text (above 18pt) WCAG AA × Fail

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, 1.615, 96.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

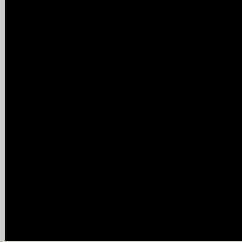
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

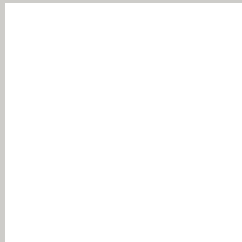
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 1.615, 96.888

Background



This preview shows how black text looks on a background with the CIELCh color 82, 1.615, 96.888.

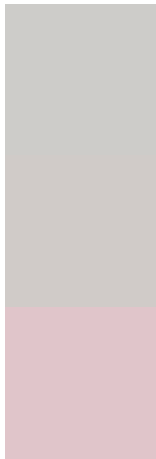


This preview shows how white text looks on a background with the CIELCh color 82, 1.615, 96.888.

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, 1.615, 96.888

Protanopia

82, 2.413, 60.292

Deuteranopia

82, 10.380, 5.480



Tritanopia
82, 8.790, 304.961

Trichromacy



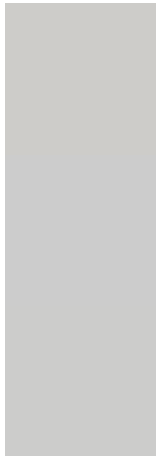
Original Color
82, 1.615, 96.888

Protanomaly
82, 2.147, 66.744

Deuteranomaly
82, 6.379, 10.299

Tritanomaly
82, 5.011, 307.281

Monochromacy



Original Color
82, 1.615, 96.888

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 0.519, 110.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 1.615, 96.888 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, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(205, 204, 201)  
}
```

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, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 204, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 1.615, 96.888 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, 204, 201) }
```

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

```
.border{ border-color:rgb(205, 204, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(205, 204,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 1.615, 96.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 204, 201) }
```

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

```
.background{ background-color: rgb(205,  
204, 201) }
```

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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