

Converting Colors

CIELCh(81, 1.311, 46.734)

Have a look what the booklet for
CIELCh(81, 1.311, 46.734) contains.

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Color

CIELCh(81, 1.515, 63.352)

Conversions

Conversions Part 1

Format	Color
Hex	CCC9C7
RGB	204, 201, 199
RGB Percent	80%, 79%, 78%
CMY	0.2016, 0.2133, 0.2212
CMYK	0.00, 0.01, 0.02, 0.20
HSL	24°, 5%, 79%
HSV	24°, 2%, 80%
XYZ	55.8464, 58.4711, 62.1312
YIQ	201.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

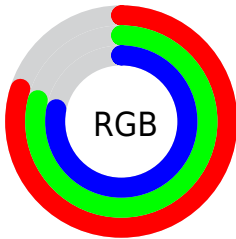
Format	Color
RYB	204, 202, 199
Decimal	13420999
CIELab	81.00, 0.68, 1.35
CIElCh	81, 1.515, 63.352
Yxy	58.4711, 0.3165, 0.3314
Android (android.graphics.Color)	4291611079 (0xFFCCC9C7)
YUV	201.6690, -1.3158, 2.0443
Hunter-Lab	76.4664, -3.4506, 5.3516

Details

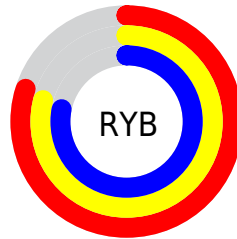
The CIELCh color **81, 1.515, 63.352** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 1.512, 244.531**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **61, 1.609, 63.344** is the 20% darker color. If you saturate the color by 10%, you get **77, 7.948, 62.665**, and if you desaturate by 10%, it is **85, 4.549, 244.849**.

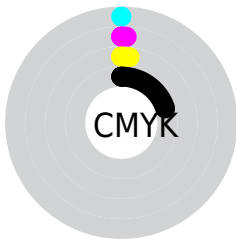
Distribution



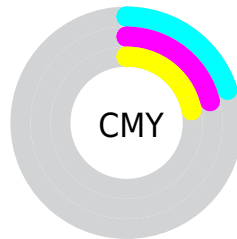
- Red (80%)
- Green (79%)
- Blue (78%)



- Red (80%)
- Yellow (79%)
- 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, 1.515, 63.352 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, 1.515, 63.352 by changing the saturation by 10% instead.

 81, 1.515, 63.352	 81, 1.515, 63.352
 100, 1.515, 63.352	 71, 1.515, 63.352
	 61, 1.515, 63.352
	 51, 1.515, 63.352
	 41, 1.515, 63.352
	 31, 1.515, 63.352
	 21, 1.515, 63.352
	 11, 1.515, 63.352
	 1, 1.515, 63.352
	 0, 1.515, 63.352

81, 1.515, 63.352

81, 1.515, 63.352

77, 7.948, 62.665

85, 4.549, 244.849

74, 14.791, 61.692

88, 10.286,
245.801

70, 22.079, 60.730

92, 14.192,
239.490

67, 29.835, 59.802

64, 38.050, 58.914

95, 15.327,
209.371

60, 46.649, 58.051

97, 16.996,
198.378

57, 55.430, 57.155

55, 63.923, 56.071

52, 71.219, 54.466

Harmonies

Complementary

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



81, 1.515, 63.352



81, 1.512, 244.531

Rectangle

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



81, 1.515, 63.352



81, 1.515, 113.352



81, 1.515, 243.352



81, 1.515, 293.352

Sweetspot

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



81, 1.515, 63.438



100, 0.734, 63.156



81, 2.445, 338.660



53, 0.417, 63.122



0, 0.000, 0.000



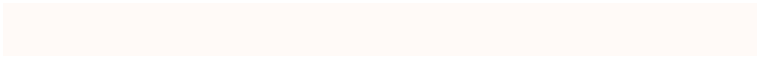
53, 0.007, 296.813

Same Dimension

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



81, 1.515, 63.438



99, 2.229, 63.436



82, 2.377, 105.508



42, 1.410, 63.409



41, 64.638, 53.506



7, 14.638, 46.284

Inverse Universe

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



81, 1.512, 244.531



99, 2.215, 244.537



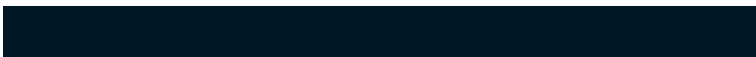
80, 2.405, 286.105



42, 1.396, 244.569



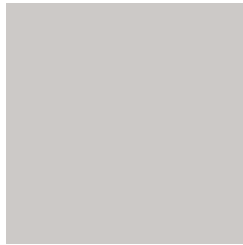
41, 42.464, 272.000



7, 13.369, 260.242

Previews

White Background



This preview shows how the CIELCh color 81, 1.515, 63.352 looks on a white background.

Color Contrast Check

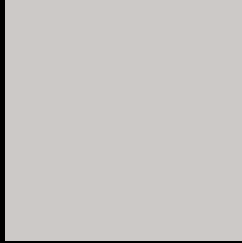
Large Text (above 18pt) WCAG AA × Fail

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, 1.515, 63.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

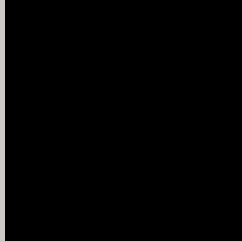
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

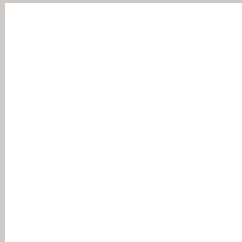
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 1.515, 63.352

Background



This preview shows how black text looks on a background with the CIELCh color 81, 1.515, 63.352.

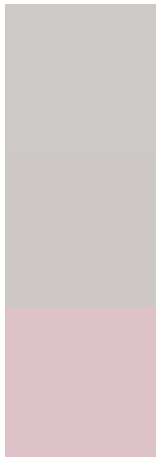


This preview shows how white text looks on a background with the CIELCh color 81, 1.515, 63.352.

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, 1.515, 63.352

Protanopia

81, 2.113, 49.340

Deuteranopia

81, 10.035, 4.905



Tritanopia
81, 9.020, 309.386

Trichromacy



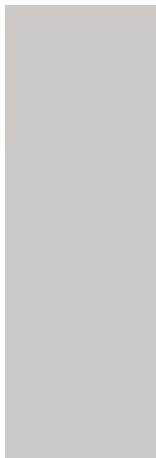
Original Color
81, 1.515, 63.352

Protanomaly
81, 1.801, 55.191

Deuteranomaly
81, 6.769, 10.873

Tritanomaly
81, 5.285, 314.813

Monochromacy



Original Color
81, 1.515, 63.352

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, 1.515, 63.352 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(204, 201, 199)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 201, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 201, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 1.515, 63.352 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(204, 201, 199) }
```

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

```
.border{ border-color:rgb(204, 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(204, 201, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 201, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 201, 199);  
box-shadow:4px 4px 4px 4px rgb(204, 201,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 1.515, 63.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 201, 199) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

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