

Converting Colors

CIELCh(80, 1.424, 55.138)

Have a look what the booklet for
CIELCh(80, 1.424, 55.138) contains.

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Color

CIELCh(80, 1.519, 63.352)

Conversions

Conversions Part 1

Format	Color
Hex	C9C6C4
RGB	201, 198, 196
RGB Percent	79%, 78%, 77%
CMY	0.2124, 0.2242, 0.2320
CMYK	0.00, 0.01, 0.02, 0.21
HSL	24°, 4%, 78%
HSV	24°, 2%, 79%
XYZ	54.1404, 56.6813, 60.2100
YIQ	198.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

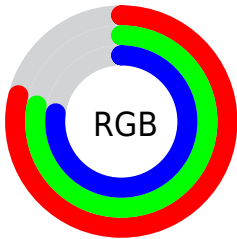
Format	Color
R _Y B	201, 199, 196
Decimal	13223620
CIE Lab	80.00, 0.68, 1.36
CIE LCh	80, 1.519, 63.352
Yxy	56.6813, 0.3166, 0.3314
Android (android.graphics.Color)	4291413700 (0xFFC9C6C4)
YUV	198.6690, -1.3158, 2.0443
Hunter-Lab	75.2870, -3.3892, 5.2843

Details

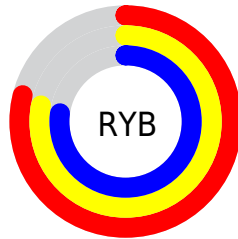
The CIELCh color `80, 1.519, 63.352` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80, 1.516, 244.529`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.003, 110.026`, and `60, 1.615, 63.342` is the 20% darker color. If you saturate the color by 10%, you get `76, 7.882, 62.661`, and if you desaturate by 10%, it is `84, 4.479, 244.844`.

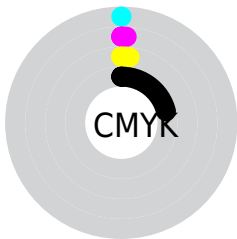
Distribution



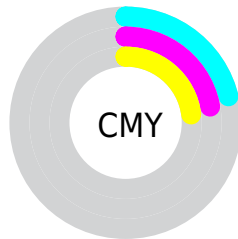
- Red (79%)
- Green (78%)
- Blue (77%)



- Red (79%)
- Yellow (78%)
- Blue (77%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (21%)



- Cyan (21%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.519, 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 80, 1.519, 63.352 by changing the saturation by 10% instead.

■ 80, 1.519, 63.352

■ 80, 1.519, 63.352

■ 100, 1.519, 63.352

■ 70, 1.519, 63.352

■ 60, 1.519, 63.352

■ 50, 1.519, 63.352

■ 40, 1.519, 63.352

■ 30, 1.519, 63.352

■ 20, 1.519, 63.352

■ 10, 1.519, 63.352

■ 0, 1.519, 63.352

■ 80, 1.519, 63.352

■ 80, 1.519, 63.352

76, 7.882, 62.661

84, 4.479, 244.844

73, 14.650, 61.689

87, 10.154,
245.795

69, 21.858, 60.728

91, 15.167,
245.192

66, 29.528, 59.801

63, 37.651, 58.913

94, 15.434,
216.157

60, 46.155, 58.052

96, 17.848,
198.324

57, 54.838, 57.157

54, 63.241, 56.074

51, 70.463, 54.475

Harmonies

Complementary

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



80, 1.519, 63.352



80, 1.516, 244.529

Rectangle

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



80, 1.519, 63.352



80, 1.519, 113.352



80, 1.519, 243.352



80, 1.519, 293.352

Sweetspot

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



80, 1.519, 63.437



100, 0.734, 63.154



80, 2.451, 338.664



53, 0.417, 63.121



0, 0.000, 0.000



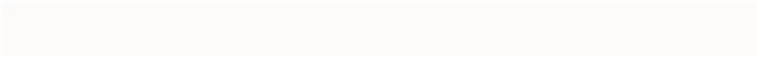
53, 0.007, 296.813

Same Dimension

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



80, 1.519, 63.437



99, 2.229, 63.435



81, 2.383, 105.505



41, 1.381, 63.408



41, 63.879, 53.553



6, 13.117, 46.594

Inverse Universe

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



80, 1.516, 244.529



99, 2.215, 244.535



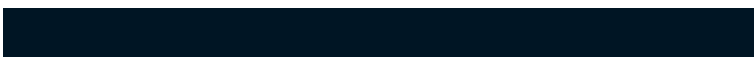
79, 2.411, 286.108



41, 1.367, 244.567



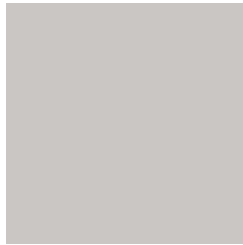
40, 41.940, 271.930



6, 12.494, 259.869

Previews

White Background



This preview shows how the CIELCh color 80, 1.519, 63.352 looks on a white background.

Color Contrast Check

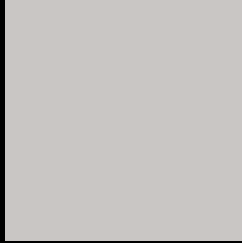
Large Text (above 18pt) WCAG AA × Fail

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 80, 1.519, 63.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

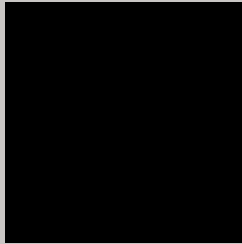
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

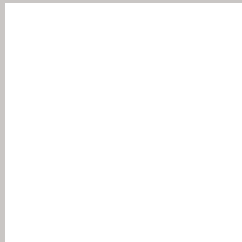
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.519, 63.352

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.519, 63.352.

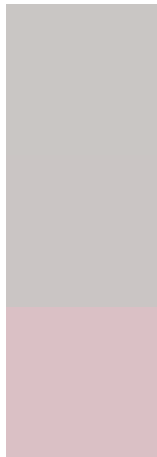


This preview shows how white text looks on a background with the CIELCh color 80, 1.519, 63.352.

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


80, 1.519, 63.352

Protanopia

80, 1.912, 35.380

Deuteranopia

80, 10.065, 4.921



Tritanopia
80, 8.418, 308.207

Trichromacy



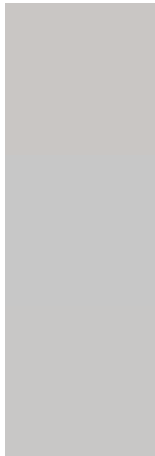
Original Color
80, 1.519, 63.352

Protanomaly
80, 1.912, 35.380

Deuteranomaly
80, 6.883, 6.518

Tritanomaly
80, 4.659, 313.437

Monochromacy



Original Color
80, 1.519, 63.352

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.635, 74.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.519, 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(201, 198, 196)` looks like.

```
.text, #text, p{  
    color:rgb(201, 198, 196)  
}
```

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(201, 198, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 198, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.519, 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(201, 198, 196) }
```

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

```
.border{ border-color:rgb(201, 198, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 198, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 198, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 198, 196);  
box-shadow:4px 4px 4px 4px rgb(201, 198,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.519, 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(201, 198, 196) }
```

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

```
.background{ background-color: rgb(201,  
198, 196) }
```

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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