

Converting Colors

CIELCh(80, 1.482, 19.041)

Have a look what the booklet for
CIELCh(80, 1.482, 19.041) contains.

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Color

CIELCh(80, 1.472, 19.149)

Conversions

Conversions Part 1

Format	Color
Hex	C9C5C5
RGB	201, 197, 197
RGB Percent	79%, 77%, 77%
CMY	0.2099, 0.2256, 0.2256
CMYK	0.00, 0.02, 0.02, 0.21
HSL	0°, 4%, 78%
HSV	0°, 2%, 79%
XYZ	54.4188, 56.6813, 61.1777
YIQ	198.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

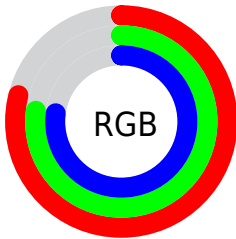
Format	Color
R_{YB}	201, 197, 197
Decimal	13223365
CIE Lab	80.00, 1.39, 0.48
CIE LCh	80, 1.472, 19.149
Yxy	56.6813, 0.3159, 0.3290
Android (android.graphics.Color)	4291413445 (0xFFC9C5C5)
YUV	198.1960, -0.5896, 2.4591
Hunter-Lab	75.2870, -2.7291, 4.5222

Details

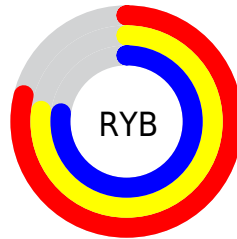
The CIELCh color **80, 1.472, 19.149** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 1.451, 199.751**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.351, 17.546**, and **60, 1.563, 19.284** is the 20% darker color. If you saturate the color by 10%, you get **74, 9.225, 20.200**, and if you desaturate by 10%, it is **86, 5.700, 199.176**.

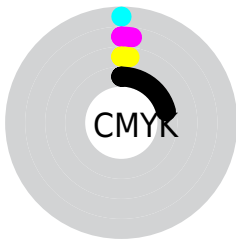
Distribution



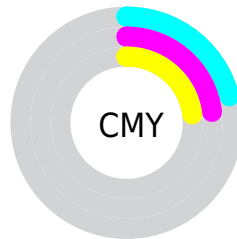
- Red (79%)
- Green (77%)
- Blue (77%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.472, 19.149 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, 1.472, 19.149 by changing the saturation by 10% instead.

■ 80, 1.472, 19.149

■ 80, 1.472, 19.149

100, 1.472, 19.149

■ 70, 1.472, 19.149

■ 60, 1.472, 19.149

■ 50, 1.472, 19.149

■ 40, 1.472, 19.149

■ 30, 1.472, 19.149

■ 20, 1.472, 19.149

■ 10, 1.472, 19.149

■ 0, 1.472, 19.149

■ 80, 1.472, 19.149

■ 80, 1.472, 19.149

74, 9.225, 20.200

86, 5.700, 199.176

69, 17.597, 21.084

92, 12.337,
198.714

64, 26.583, 22.207

97, 17.651,
198.336

58, 36.125, 23.670

54, 46.080, 25.577

50, 56.211, 28.036

47, 66.177, 31.096

44, 75.482, 34.610

43, 83.137, 37.945

Harmonies

Complementary

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



80, 1.472, 19.149



81, 1.451, 199.751

Rectangle

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



80, 1.472, 19.149



80, 1.472, 69.149



80, 1.472, 199.149



80, 1.472, 249.149

Sweetspot

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



80, 1.471, 19.220



99, 0.894, 18.800



80, 2.605, 324.451



53, 0.508, 18.758



0, 0.000, 0.000



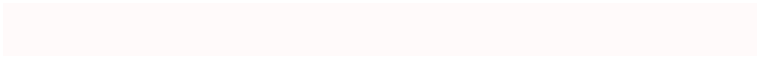
53, 0.007, 296.813

Same Dimension

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



80, 1.471, 19.220



99, 1.793, 19.230



81, 1.278, 74.893



43, 0.848, 19.193



34, 75.542, 39.834



4, 17.901, 19.448

Inverse Universe

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



81, 1.451, 199.751



100, 1.768, 199.741



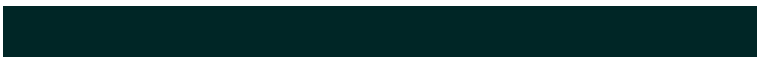
80, 1.286, 255.946



43, 0.837, 199.778



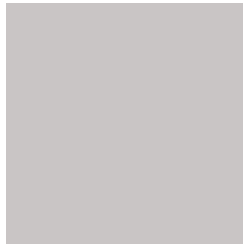
62, 36.256, 196.519



13, 13.500, 196.492

Previews

White Background



This preview shows how the CIELCh color 80, 1.472, 19.149 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, 1.472, 19.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

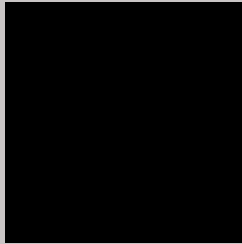
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

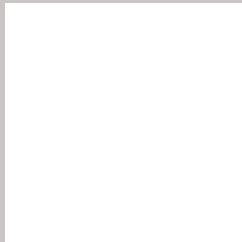
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.472, 19.149

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.472, 19.149.

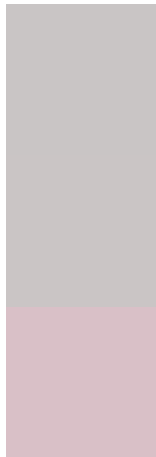


This preview shows how white text looks on a background with the CIELCh color 80, 1.472, 19.149.

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, 1.472, 19.149

Protanopia

80, 1.841, 19.252

Deuteranopia

80, 10.017, 358.427



Tritanopia
80, 9.046, 309.391

Trichromacy



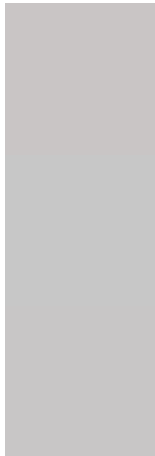
Original Color
80, 1.472, 19.149

Protanomaly
80, 1.841, 19.252

Deuteranomaly
80, 6.662, 1.279

Tritanomaly
80, 5.788, 312.657

Monochromacy



Original Color
80, 1.472, 19.149

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.734, 18.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.472, 19.149 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, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(201, 197, 197)  
}
```

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, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.472, 19.149 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, 197, 197) }
```

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

```
.border{ border-color:rgb(201, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(201, 197,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.472, 19.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 197, 197) }
```

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

```
.background{ background-color: rgb(201,  
197, 197) }
```

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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