

Converting Colors

CIELCh(80, 2.252, 14.500)

Have a look what the booklet for
CIELCh(80, 2.252, 14.500) contains.

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Color

CIELCh(80, 2.212, 19.330)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CBC5C5 |
| RGB | 203, 197, 197 |
| RGB Percent | 80%, 77%, 77% |
| CMY | 0.2038, 0.2273, 0.2273 |
| CMYK | 0.00, 0.03, 0.03, 0.20 |
| HSL | 0°, 5%, 78% |
| HSV | 0°, 3%, 80% |
| XYZ | 54.6933, 56.6813, 60.9009 |
| YIQ | 198.7940, 3.5760, 1.2720 |

Conversions

Conversions Part 2

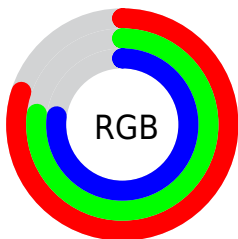
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 203, 197, 197 |
| Decimal | 13354437 |
| CIE Lab | 80.00, 2.09, 0.73 |
| CIE LCh | 80, 2.212, 19.330 |
| Yxy | 56.6813, 0.3175, 0.3290 |
| Android (android.graphics.Color) | 4291544517 (0xFFCBC5C5) |
| YUV | 198.7940, -0.8844, 3.6887 |
| Hunter-Lab | 75.2870, -2.0784, 4.7402 |

Details

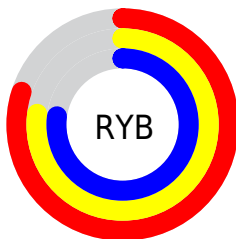
The CIELCh color `80, 2.212, 19.330` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 2.169, 199.548`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.351, 17.546`, and `60, 2.351, 19.453` is the 20% darker color. If you saturate the color by 10%, you get `74, 10.076, 20.255`, and if you desaturate by 10%, it is `86, 5.063, 199.209`.

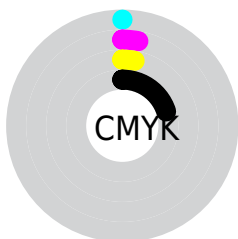
Distribution



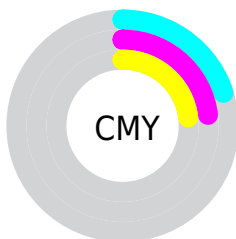
- Red (80%)
- Green (77%)
- Blue (77%)



- Red (80%)
- Yellow (77%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (20%)



- Cyan (20%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.212, 19.330 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, 2.212, 19.330 by changing the saturation by 10% instead.

■ 80, 2.212, 19.330

■ 80, 2.212, 19.330

100, 2.212, 19.330

■ 70, 2.212, 19.330

■ 60, 2.212, 19.330

■ 50, 2.212, 19.330

■ 40, 2.212, 19.330

■ 30, 2.212, 19.330

■ 20, 2.212, 19.330

■ 10, 2.212, 19.330

■ 0, 2.212, 19.330

■ 80, 2.212, 19.330

■ 80, 2.212, 19.330

74, 10.076, 20.255

86, 5.063, 199.209

69, 18.564, 21.159

92, 11.793,
198.725

63, 27.668, 22.314

97, 17.170,
198.367

58, 37.320, 23.818

54, 47.369, 25.778

50, 57.565, 28.301

47, 67.553, 31.423

44, 76.806, 34.965

43, 84.241, 38.223

Harmonies

Complementary

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



80, 2.212, 19.330



81, 2.169, 199.548

Rectangle

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



80, 2.212, 19.330



80, 2.212, 69.330



80, 2.212, 199.330



80, 2.212, 249.330

Sweetspot

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



80, 2.211, 19.378



99, 0.894, 18.775



80, 3.900, 324.536



53, 0.508, 18.734



0, 0.000, 0.000



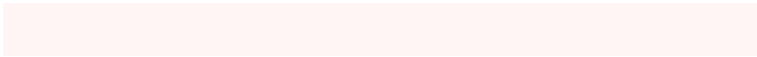
53, 0.007, 296.813

Same Dimension

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



80, 2.211, 19.378



97, 3.615, 19.514



81, 1.921, 74.871



42, 2.144, 19.579



34, 75.546, 39.830



4, 17.904, 19.433

Inverse Universe

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



81, 2.169, 199.548



99, 3.523, 199.419



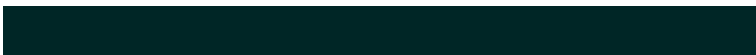
80, 1.922, 255.973



43, 2.082, 199.358



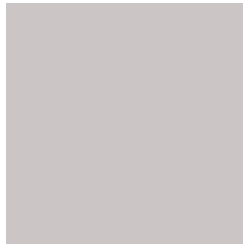
62, 36.271, 196.474



13, 13.505, 196.456

Previews

White Background



This preview shows how the CIELCh color 80, 2.212, 19.330 looks on a white background.

Color Contrast Check

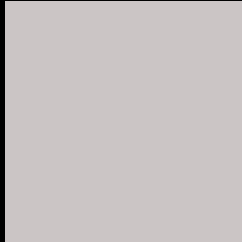
Large Text (above 18pt) WCAG AA × Fail

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, 2.212, 19.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

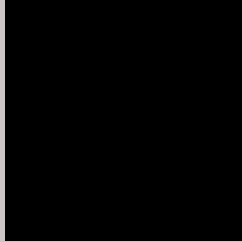
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

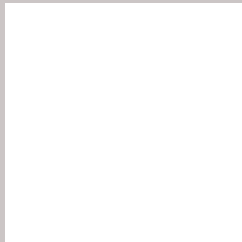
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.212, 19.330

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.212, 19.330.

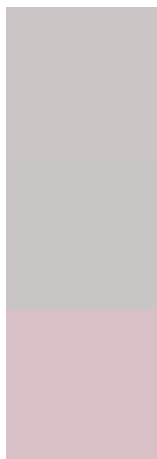


This preview shows how white text looks on a background with the CIELCh color 80, 2.212, 19.330.

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, 2.212, 19.330

Protanopia

80, 1.841, 19.252

Deuteranopia

80, 9.845, 1.312



Tritanopia
80, 8.816, 314.944

Trichromacy



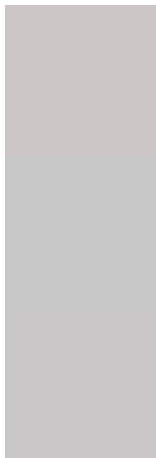
Original Color
80, 2.212, 19.330

Protanomaly
80, 1.841, 19.252

Deuteranomaly
80, 7.017, 2.295

Tritanomaly
80, 5.643, 321.568

Monochromacy



Original Color
80, 2.212, 19.330

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, 2.212, 19.330 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(203, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 197, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.212, 19.330 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(203, 197, 197) }
```

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

```
.border{ border-color:rgb(203, 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(203, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 197, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 197, 197); box-shadow:4px 4px 4px 4px rgb(203, 197, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.212, 19.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 197, 197) }
```

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

```
.background{ background-color: rgb(203,  
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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