

Converting Colors

CIELCh(80, 1.994, 259.727)

Have a look what the booklet for
CIELCh(80, 1.994, 259.727) contains.

CIELCh(80, 1.923, 255.974)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 1.923, 255.974)

Conversions

Conversions Part 1

Format	Color
Hex	C4C7CA
RGB	196, 199, 202
RGB Percent	77%, 78%, 79%
CMY	0.2324, 0.2206, 0.2089
CMYK	0.03, 0.01, 0.00, 0.21
HSL	210°, 5%, 78%
HSV	210°, 3%, 79%
XYZ	53.6920, 56.6813, 63.8269
YIQ	198.4450, -2.7510, 0.2970

Conversions

Conversions Part 2

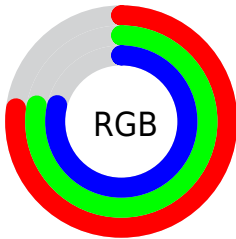
Format	Color
R _Y B	196, 198, 202
Decimal	12896202
CIE Lab	80.00, -0.47, -1.87
CIE LCh	80, 1.923, 255.974
Yxy	56.6813, 0.3082, 0.3254
Android (android.graphics.Color)	4291086282 (0xFFC4C7CA)
YUV	198.4450, 1.7526, -2.1443
Hunter-Lab	75.2870, -4.4523, 2.4360

Details

The CIELCh color `80, 1.923, 255.974` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80, 1.922, 74.811`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `60, 2.035, 256.052` is the 20% darker color. If you saturate the color by 10%, you get `76, 8.330, 257.135`, and if you desaturate by 10%, it is `84, 4.531, 74.478`.

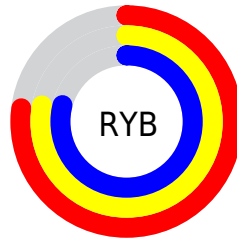
Distribution



Red (77%)

Green (78%)

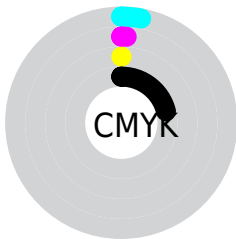
Blue (79%)



Red (77%)

Yellow (78%)

Blue (79%)

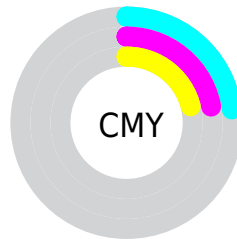


Cyan (3%)

Magenta (1%)

Yellow (0%)

Black (21%)



Cyan (23%)

Magenta (22%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.923, 255.974 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, 1.923, 255.974 by changing the saturation by 10% instead.

■ 80, 1.923, 255.974

■ 80, 1.923, 255.974

■ 100, 1.923,
255.974

■ 70, 1.923, 255.974

■ 60, 1.923, 255.974

■ 50, 1.923, 255.974

■ 40, 1.923, 255.974

■ 30, 1.923, 255.974

■ 20, 1.923, 255.974

■ 10, 1.923, 255.974

■ 0, 1.923, 255.974

■ 80, 1.923, 255.974

■ 80, 1.923, 255.974

76, 8.330, 257.135

84, 4.531, 74.478

72, 14.666,
258.737

88, 11.006, 73.534

68, 20.907,
260.658

92, 17.193, 73.988

64, 27.031,
262.949

95, 20.010, 91.103

97, 24.117,
103.051

60, 33.031,
265.669

99, 26.864,
108.138

56, 38.921,
268.866

52, 44.744,
272.558

49, 50.578,
276.705

46, 56.523,
281.181

Harmonies

Complementary

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



80, 1.923, 255.974



80, 1.922, 74.811

Rectangle

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



80, 1.923, 255.974



80, 1.923, 305.974



80, 1.923, 75.974



80, 1.923, 125.974

Sweetspot

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



80, 1.922, 255.915



99, 0.788, 256.040



81, 2.749, 162.673



53, 0.448, 256.063



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

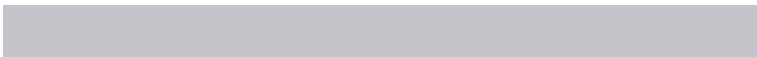
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 1.922, 255.915



98, 3.124, 256.001



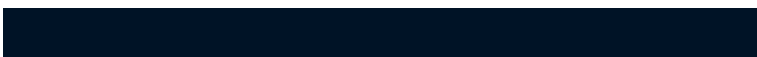
79, 3.154, 289.825



42, 1.847, 256.065



36, 51.837, 283.618



6, 15.137, 271.134

Inverse Universe

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



80, 2.740, 343.713



97, 4.463, 343.842



81, 3.116, 109.201



42, 2.642, 343.910



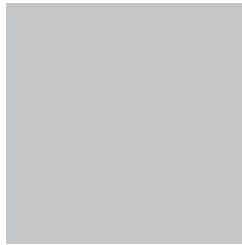
35, 61.434, 1.567



4, 19.925, 353.496

Previews

White Background



This preview shows how the CIELCh color 80, 1.923, 255.974 looks on a white background.

Color Contrast Check

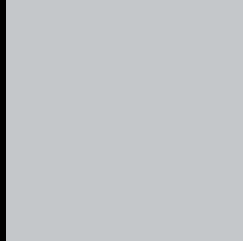
Large Text (above 18pt) WCAG AA × Fail

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, 1.923, 255.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

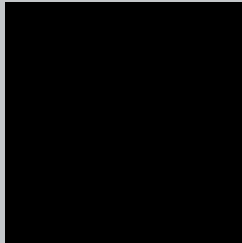
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

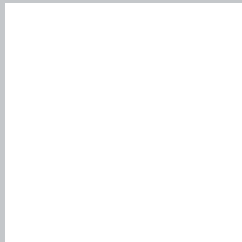
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.923, 255.974

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.923, 255.974.

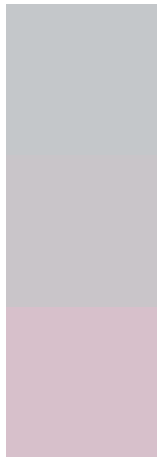


This preview shows how white text looks on a background with the CIELCh color 80, 1.923, 255.974.

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, 1.923, 255.974

Protanopia

80, 2.605, 324.451

Deuteranopia

80, 10.322, 345.715



Tritanopia
80, 8.533, 290.946

Trichromacy



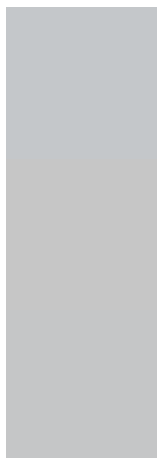
Original Color
80, 1.923, 255.974

Protanomaly
80, 1.652, 303.091

Deuteranomaly
80, 7.054, 337.122

Tritanomaly
80, 5.869, 287.223

Monochromacy



Original Color
80, 1.923, 255.974

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.648, 256.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.923, 255.974 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(196, 199, 202)` looks like.

```
.text, #text, p{  
    color:rgb(196, 199, 202)  
}
```

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(196, 199, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 199, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.923, 255.974 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(196, 199, 202) }
```

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

```
.border{ border-color:rgb(196, 199, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 199, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 199, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 199, 202);  
box-shadow:4px 4px 4px 4px rgb(196, 199,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.923, 255.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 199, 202) }
```

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

```
.background{ background-color: rgb(196,  
199, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor