

Converting Colors

CIELCh(80, 1.350, 225.484)

Have a look what the booklet for
CIELCh(80, 1.350, 225.484) contains.

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Color

CIELCh(80, 1.209, 225.943)

Conversions

Conversions Part 1

Format	Color
Hex	C4C7C8
RGB	196, 199, 200
RGB Percent	77%, 78%, 78%
CMY	0.2318, 0.2200, 0.2161
CMYK	0.02, 0.00, 0.00, 0.22
HSL	195°, 4%, 78%
HSV	195°, 2%, 78%
XYZ	53.5462, 56.6813, 62.6933
YIQ	198.2170, -2.1090, -0.3250

Conversions

Conversions Part 2

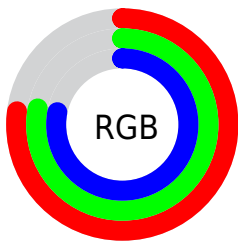
Format	Color
RYB	196, 198, 200
Decimal	12896200
CIELab	80.00, -0.84, -0.87
CIElCh	80, 1.209, 225.943
Yxy	56.6813, 0.3097, 0.3278
Android (android.graphics.Color)	4291086280 (0xFFC4C7C8)
YUV	198.2170, 0.8790, -1.9443
Hunter-Lab	75.2870, -4.7981, 3.3287

Details

The CIELCh color `80, 1.209, 225.943` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80, 1.217, 44.797`, 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, 1.279, 225.866` is the 20% darker color. If you saturate the color by 10%, you get `77, 7.082, 226.037`, and if you desaturate by 10%, it is `83, 4.909, 44.888`.

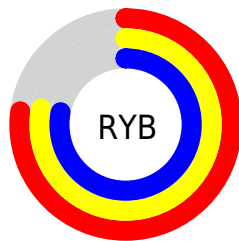
Distribution



Red (77%)

Green (78%)

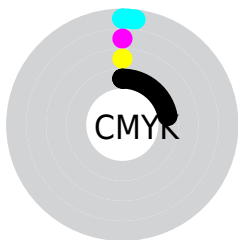
Blue (78%)



Red (77%)

Yellow (78%)

Blue (78%)

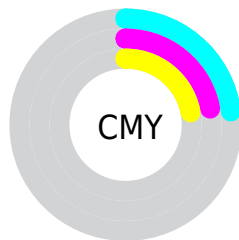


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (22%)



Cyan (23%)

Magenta (22%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.209, 225.943 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, 1.209, 225.943 by changing the saturation by 10% instead.

■ 80, 1.209, 225.943

■ 80, 1.209, 225.943

■ 100, 1.209,
225.943

■ 70, 1.209, 225.943

■ 60, 1.209, 225.943

■ 50, 1.209, 225.943

■ 40, 1.209, 225.943

■ 30, 1.209, 225.943

■ 20, 1.209, 225.943

■ 10, 1.209, 225.943

■ 0, 1.209, 225.943

■ 80, 1.209, 225.943

■ 80, 1.209, 225.943

77, 7.082, 226.037

83, 4.909, 44.888

75, 12.639,
226.748

86, 11.212, 44.652

72, 17.802,
227.719

89, 17.344, 44.897

90, 16.990, 55.162

70, 22.489,
228.996

91, 17.203, 65.490

67, 26.621,
230.654

92, 17.959, 75.223

94, 19.189, 83.901

65, 30.135,
232.777

95, 20.805, 91.343

63, 33.001,
235.456

96, 22.718, 97.582

61, 35.241,
238.777

59, 36.948,
242.784

Harmonies

Complementary

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



80, 1.209, 225.943



80, 1.217, 44.797

Rectangle

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



80, 1.209, 225.943



80, 1.209, 275.943



80, 1.209, 45.943



80, 1.209, 95.943

Sweetspot

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



80, 1.209, 225.842



100, 0.740, 226.215



80, 2.197, 151.740



53, 0.421, 226.257



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, 1.209, 225.842



99, 1.473, 225.837



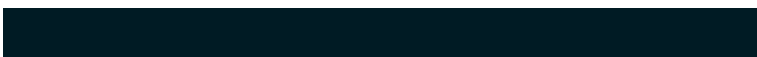
79, 1.613, 276.452



42, 0.683, 225.864



48, 32.652, 245.595



8, 11.141, 235.390

Inverse Universe

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



80, 2.189, 332.289



99, 2.667, 332.293



80, 1.594, 95.739



42, 1.236, 332.271



36, 68.505, 341.149



4, 21.492, 337.602

Previews

White Background



This preview shows how the CIELCh color 80, 1.209, 225.943 looks on a white background.

Color Contrast Check

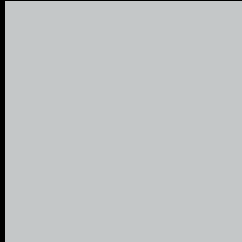
Large Text (above 18pt) WCAG AA × Fail

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, 1.209, 225.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

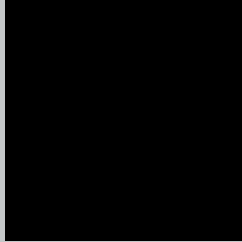
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

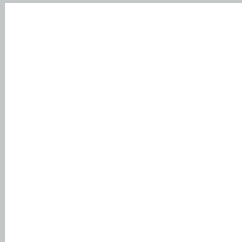
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.209, 225.943

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.209, 225.943.

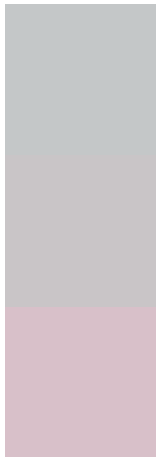


This preview shows how white text looks on a background with the CIELCh color 80, 1.209, 225.943.

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, 1.209, 225.943

Protanopia

80, 1.828, 343.589

Deuteranopia

80, 10.104, 351.968



Tritanopia
80, 8.546, 293.323

Trichromacy



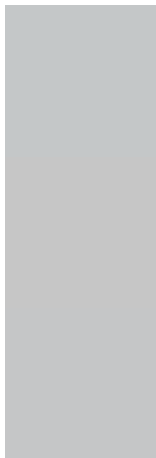
Original Color
80, 1.209, 225.943

Protanomaly
80, 0.658, 324.079

Deuteranomaly
80, 6.084, 348.202

Tritanomaly
80, 5.338, 286.821

Monochromacy



Original Color
80, 1.209, 225.943

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, 1.209, 225.943 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(196, 199, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 199, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.209, 225.943 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, 200) }
```

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

```
.border{ border-color:rgb(196, 199, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 199, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 199, 200);  
box-shadow:4px 4px 4px 4px rgb(196, 199,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 1.209, 225.943 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, 200) }
```

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

```
.background{ background-color: rgb(196,  
199, 200) }
```

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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