

Converting Colors

CIELCh(80, 2.062, 109.976)

Have a look what the booklet for
CIELCh(80, 2.062, 109.976) contains.

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Color

CIELCh(80, 2.116, 109.957)

Conversions

Conversions Part 1

Format	Color
Hex	C7C7C3
RGB	199, 199, 195
RGB Percent	78%, 78%, 76%
CMY	0.2211, 0.2211, 0.2368
CMYK	0.00, 0.00, 0.02, 0.22
HSL	60°, 3%, 77%
HSV	60°, 2%, 78%
XYZ	53.5923, 56.6813, 59.5181
YIQ	198.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

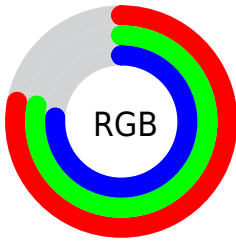
Format	Color
RYB	195, 199, 195
Decimal	13092803
CIELab	80.00, -0.72, 1.99
CIELCh	80, 2.116, 109.957
Yxy	56.6813, 0.3156, 0.3338
Android (android.graphics.Color)	4291282883 (0xFFC7C7C3)
YUV	198.5440, -1.7472, 0.3999
Hunter-Lab	75.2870, -4.6888, 5.8292

Details

The CIELCh color `80, 2.116, 109.957` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79, 2.146, 290.436`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.510, 110.014`, and `60, 2.246, 109.900` is the 20% darker color. If you saturate the color by 10%, you get `80, 12.654, 109.060`, and if you desaturate by 10%, it is `81, 8.446, 290.968`.

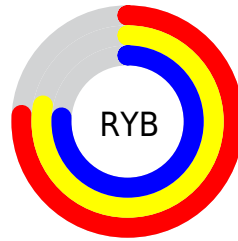
Distribution



Red (78%)

Green (78%)

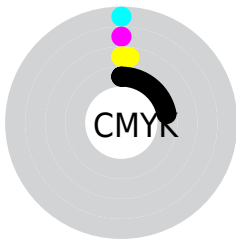
Blue (76%)



Red (76%)

Yellow (78%)

Blue (76%)

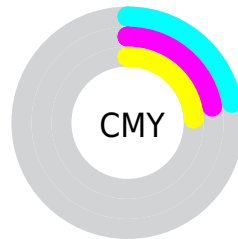


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (22%)



Cyan (22%)

Magenta (22%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.116, 109.957 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, 2.116, 109.957 by changing the saturation by 10% instead.

■ 80, 2.116, 109.957

■ 80, 2.116, 109.957

■ 100, 2.116,
109.957

■ 70, 2.116, 109.957

■ 60, 2.116, 109.957

■ 50, 2.116, 109.957

■ 40, 2.116, 109.957

■ 30, 2.116, 109.957

■ 20, 2.116, 109.957

■ 10, 2.116, 109.957

■ 0, 2.116, 109.957

■ 80, 2.116, 109.957

■ 80, 2.116, 109.957

80, 12.654,
109.060

81, 8.446, 290.968

79, 23.109,
108.097

81, 19.002,
291.874

79, 33.400,
107.141

82, 29.524,
292.748

78, 43.399,
106.211

82, 29.945,
292.793

78, 52.906,
105.333

82, 29.945,
292.804

78, 61.624,
104.540

82, 29.945,
292.815

78, 69.138,
103.869

82, 29.945,
292.825

78, 74.951,
103.361

82, 29.946,
292.836

78, 78.646,

82, 29.946,
292.847

Harmonies

Complementary

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



80, 2.116, 109.957



79, 2.146, 290.436

Rectangle

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



80, 2.116, 109.957



80, 2.116, 159.957



80, 2.116, 289.957



80, 2.116, 339.957

Sweetspot

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



80, 2.118, 109.993



100, 1.282, 110.058



79, 1.476, 19.155



53, 0.729, 110.059



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, 2.118, 109.993



100, 2.575, 109.991



80, 2.251, 129.034



42, 1.193, 110.004



65, 69.400, 102.907



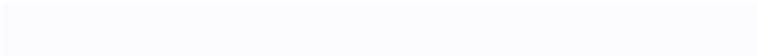
13, 20.289, 106.031

Inverse Universe

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



79, 2.146, 290.436



98, 2.609, 290.438



79, 2.276, 309.104



41, 1.209, 290.425



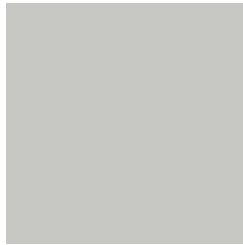
19, 95.823, 306.290



1, 21.510, 291.770

Previews

White Background



This preview shows how the CIELCh color 80, 2.116, 109.957 looks on a white background.

Color Contrast Check

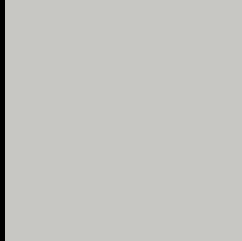
Large Text (above 18pt) WCAG AA × Fail

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, 2.116, 109.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

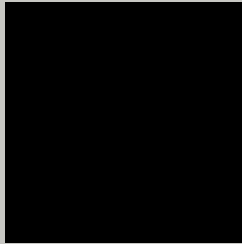
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

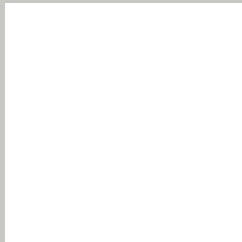
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.116, 109.957

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.116, 109.957.



This preview shows how white text looks on a background with the CIELCh color 80, 2.116, 109.957.

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, 2.116, 109.957

Protanopia

80, 2.720, 55.167

Deuteranopia

80, 9.954, 7.879



Tritanopia
80, 8.747, 302.697

Trichromacy



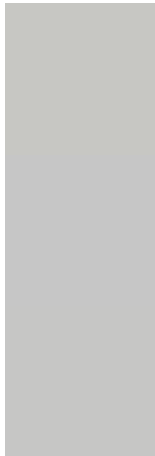
Original Color
80, 2.116, 109.957

Protanomaly
80, 2.381, 82.173

Deuteranomaly
80, 6.359, 15.044

Tritanomaly
80, 4.938, 303.272

Monochromacy



Original Color
80, 2.116, 109.957

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.522, 110.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 2.116, 109.957 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(199, 199, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 195)  
}
```

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(199, 199, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.116, 109.957 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(199, 199, 195) }
```

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

```
.border{ border-color:rgb(199, 199, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.116, 109.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 195) }
```

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

```
.background{ background-color: rgb(199,  
199, 195) }
```

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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