

Converting Colors

CIELCh(81, 2.217, 110.004)

Have a look what the booklet for
CIELCh(81, 2.217, 110.004) contains.

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Color

CIELCh(81, 2.112, 109.959)

Conversions

Conversions Part 1

Format	Color
Hex	C9C9C5
RGB	201, 201, 197
RGB Percent	79%, 79%, 77%
CMY	0.2103, 0.2102, 0.2259
CMYK	0.00, 0.00, 0.02, 0.21
HSL	60°, 4%, 78%
HSV	60°, 2%, 79%
XYZ	55.2880, 58.4711, 61.4248
YIQ	200.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

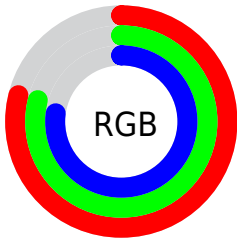
Format	Color
RYB	197, 201, 197
Decimal	13224389
CIELab	81.00, -0.72, 1.99
CIELCh	81, 2.112, 109.959
Yxy	58.4711, 0.3156, 0.3338
Android (android.graphics.Color)	4291414469 (0xFFC9C9C5)
YUV	200.5440, -1.7472, 0.3999
Hunter-Lab	76.4664, -4.7541, 5.8993

Details

The CIELCh color $81, 2.112, 109.959$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80, 2.142, 290.435$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.496, 109.985$, and $61, 2.240, 109.903$ is the 20% darker color. If you saturate the color by 10%, you get $81, 12.770, 109.062$, and if you desaturate by 10%, it is $82, 8.570, 290.972$.

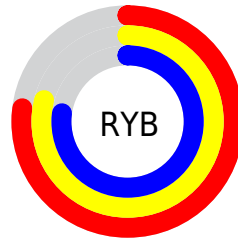
Distribution



Red (79%)

Green (79%)

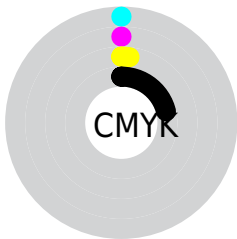
Blue (77%)



Red (77%)

Yellow (79%)

Blue (77%)

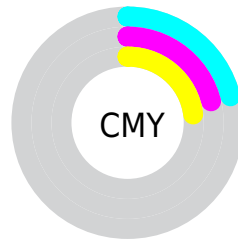


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (21%)



Cyan (21%)

Magenta (21%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 2.112, 109.959 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 81, 2.112, 109.959 by changing the saturation by 10% instead.

■ 81, 2.112, 109.959

■ 81, 2.112, 109.959

■ 100, 2.112,
109.959

■ 71, 2.112, 109.959

■ 61, 2.112, 109.959

■ 51, 2.112, 109.959

■ 41, 2.112, 109.959

■ 31, 2.112, 109.959

■ 21, 2.112, 109.959

■ 11, 2.112, 109.959

■ 1, 2.112, 109.959

■ 0, 2.112, 109.959

81, 2.112, 109.959

81, 2.112, 109.959

81, 12.770,
109.062

82, 8.570, 290.972

80, 23.343,
108.099

82, 19.245,
291.878

80, 33.751,
107.141

83, 28.409,
292.635

79, 43.862,
106.210

83, 28.409,
292.647

79, 53.476,
105.332

83, 28.410,
292.659

79, 62.290,
104.538

83, 28.410,
292.671

79, 69.883,
103.868

83, 28.410,
292.683

79, 75.754,
103.360

83, 28.410,
292.695

■ 79, 79.479,
103.045

■ 83, 28.410,
292.707

Harmonies

Complementary

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



81, 2.112, 109.959



80, 2.142, 290.435

Rectangle

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



81, 2.112, 109.959



81, 2.112, 159.959



81, 2.112, 289.959



81, 2.112, 339.959

Sweetspot

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



81, 2.114, 109.995



100, 1.282, 110.058



80, 1.473, 19.149



53, 0.729, 110.060



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 2.114, 109.995



100, 2.575, 109.992



81, 2.247, 129.036



42, 1.193, 110.004



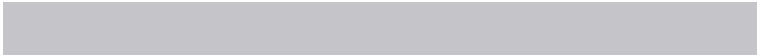
65, 69.400, 102.908



13, 20.289, 106.032

Inverse Universe

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



80, 2.142, 290.435



98, 2.609, 290.438



80, 2.272, 309.102



41, 1.209, 290.426



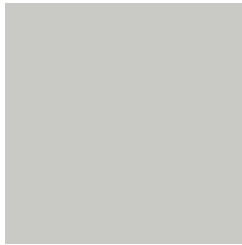
19, 95.823, 306.290



1, 21.510, 291.770

Previews

White Background



This preview shows how the CIELCh color 81, 2.112, 109.959 looks on a white background.

Color Contrast Check

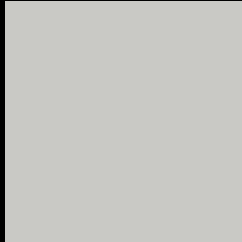
Large Text (above 18pt) WCAG AA × Fail

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 81, 2.112, 109.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

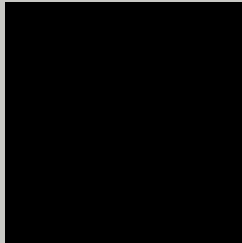
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

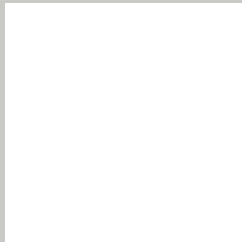
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 2.112, 109.959

Background



This preview shows how black text looks on a background with the CIELCh color 81, 2.112, 109.959.



This preview shows how white text looks on a background with the CIELCh color 81, 2.112, 109.959.

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

81, 2.112, 109.959

Protanopia

81, 2.712, 55.169

Deuteranopia

81, 9.924, 7.862



Tritanopia
81, 8.204, 303.428

Trichromacy



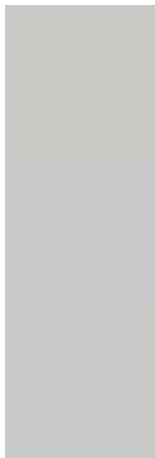
Original Color
81, 2.112, 109.959

Protanomaly
81, 2.374, 82.177

Deuteranomaly
81, 6.340, 15.034

Tritanomaly
81, 4.408, 304.765

Monochromacy



Original Color
81, 2.112, 109.959

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 0.521, 110.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 2.112, 109.959 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, 201, 197)` looks like.

```
.text, #text, p{  
    color:rgb(201, 201, 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, 201, 197) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 81, 2.112, 109.959 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, 201, 197) }
```

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

```
.border{ border-color:rgb(201, 201, 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, 201, 197) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 81, 2.112, 109.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(201,  
201, 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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