

Converting Colors

CIELCh(81, 2.381, 129.926)

Have a look what the booklet for
CIELCh(81, 2.381, 129.926) contains.

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Color

CIELCh(81, 2.243, 129.037)

Conversions

Conversions Part 1

Format	Color
Hex	C8CAC6
RGB	200, 202, 198
RGB Percent	78%, 79%, 78%
CMY	0.2164, 0.2086, 0.2243
CMYK	0.01, 0.00, 0.02, 0.21
HSL	90°, 4%, 78%
HSV	90°, 2%, 79%
XYZ	55.0136, 58.4711, 61.6961
YIQ	200.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

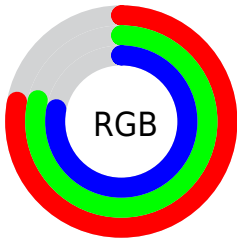
Format	Color
R_{YB}	198, 202, 200
Decimal	13159110
CIE Lab	81.00, -1.41, 1.74
CIE LCh	81, 2.243, 129.037
Yxy	58.4711, 0.3140, 0.3338
Android (android.graphics.Color)	4291349190 (0xFFC8CAC6)
YUV	200.9460, -1.4524, -0.8296
Hunter-Lab	76.4664, -5.3947, 5.6890

Details

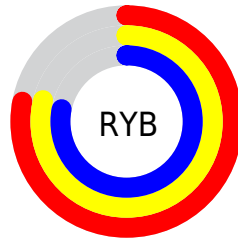
The CIELCh color $81, 2.243, 129.037$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80, 2.270, 309.118$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 2.379, 128.995$ is the 20% darker color. If you saturate the color by 10%, you get $80, 13.643, 128.562$, and if you desaturate by 10%, it is $82, 9.090, 309.400$.

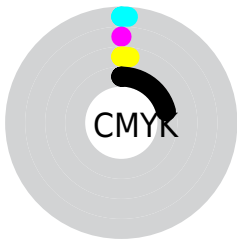
Distribution



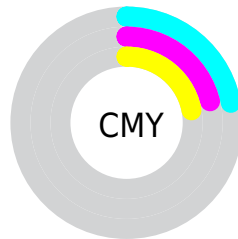
- Red (78%)
- Green (79%)
- Blue (78%)



- Red (78%)
- Yellow (79%)
- Blue (78%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (22%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 2.243, 129.037 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, 2.243, 129.037 by changing the saturation by 10% instead.

■ 81, 2.243, 129.037

■ 81, 2.243, 129.037

■ 100, 2.243,
129.037

■ 71, 2.243, 129.037

■ 61, 2.243, 129.037

■ 51, 2.243, 129.037

■ 41, 2.243, 129.037

■ 31, 2.243, 129.037

■ 21, 2.243, 129.037

■ 11, 2.243, 129.037

■ 1, 2.243, 129.037

■ 0, 2.243, 129.037

81, 2.243, 129.037

81, 2.243, 129.037

80, 13.643,
128.562

82, 9.090, 309.400

79, 25.035,
128.085

84, 20.314,
309.785

78, 36.325,
127.599

85, 29.735,
311.135

77, 47.372,
127.126

86, 30.972,
317.318

76, 57.977,
126.707

87, 32.533,
323.074

75, 67.849,
126.410

87, 33.359,
325.585

74, 76.589,
126.330

74, 83.714,
126.591

■ 73, 88.794,
127.312

Harmonies

Complementary

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



81, 2.243, 129.037



80, 2.270, 309.118

Rectangle

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



81, 2.243, 129.037



81, 2.243, 179.037



81, 2.243, 309.037



81, 2.243, 359.037

Sweetspot

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



81, 2.245, 129.053



100, 1.363, 129.146



81, 1.278, 74.892



53, 0.774, 129.154



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, 2.245, 129.053



100, 2.738, 129.050



81, 2.587, 144.433



43, 1.295, 129.061



61, 78.929, 127.926



13, 24.537, 130.466

Inverse Universe

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



80, 2.270, 309.118



99, 2.767, 309.121



80, 2.604, 324.451



43, 1.310, 309.111



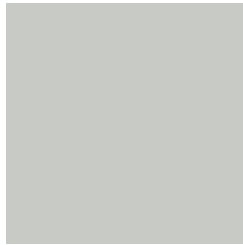
26, 90.300, 312.000



3, 24.545, 306.661

Previews

White Background



This preview shows how the CIELCh color 81, 2.243, 129.037 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, 2.243, 129.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

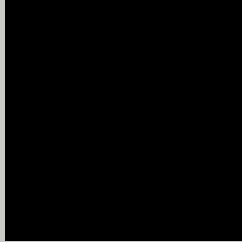
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

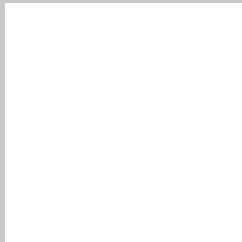
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 2.243, 129.037

Background



This preview shows how black text looks on a background with the CIELCh color 81, 2.243, 129.037.



This preview shows how white text looks on a background with the CIELCh color 81, 2.243, 129.037.

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, 2.243, 129.037

Protanopia

81, 2.420, 60.290

Deuteranopia

81, 9.924, 7.862



Tritanopia
81, 8.598, 298.046

Trichromacy



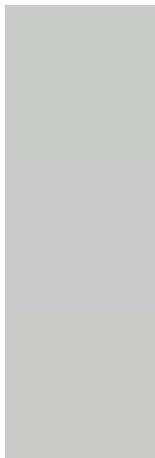
Original Color
81, 2.243, 129.037

Protanomaly
81, 2.229, 90.655

Deuteranomaly
81, 6.028, 9.681

Tritanomaly
81, 4.809, 294.894

Monochromacy



Original Color
81, 2.243, 129.037

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, 2.243, 129.037 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(200, 202, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 202, 198)  
}
```

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(200, 202, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 202, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 2.243, 129.037 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(200, 202, 198) }
```

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

```
.border{ border-color:rgb(200, 202, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 202, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 202, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 202, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 202,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 2.243, 129.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 202, 198) }
```

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

```
.background{ background-color: rgb(200,  
202, 198) }
```

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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