

Converting Colors

CIELCh(81, 2.815, 19.425)

Have a look what the booklet for
CIELCh(81, 2.815, 19.425) contains.

CIELCh(81, 2.948, 19.446)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 2.948, 19.446)

Conversions

Conversions Part 1

Format	Color
Hex	CFC7C7
RGB	207, 199, 199
RGB Percent	81%, 78%, 78%
CMY	0.1868, 0.2182, 0.2182
CMYK	0.00, 0.04, 0.04, 0.19
HSL	0°, 8%, 80%
HSV	0°, 4%, 81%
XYZ	56.6909, 58.4711, 62.5508
YIQ	201.3920, 4.7680, 1.6960

Conversions

Conversions Part 2

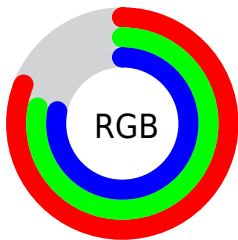
Format	Color
R_{YB}	207, 199, 199
Decimal	13617095
CIE Lab	81.00, 2.78, 0.98
CIE LCh	81, 2.948, 19.446
Yxy	58.4711, 0.3190, 0.3290
Android (android.graphics.Color)	4291807175 (0xFFCFC7C7)
YUV	201.3920, -1.1793, 4.9182
Hunter-Lab	76.4664, -1.4793, 5.0263

Details

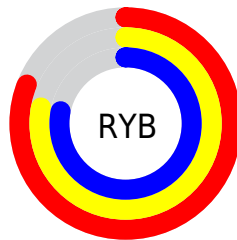
The CIELCh color **81, 2.948, 19.446** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 2.876, 199.427**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **61, 3.133, 19.572** is the 20% darker color. If you saturate the color by 10%, you get **75, 11.006, 20.321**, and if you desaturate by 10%, it is **87, 4.506, 199.256**.

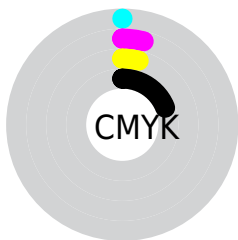
Distribution



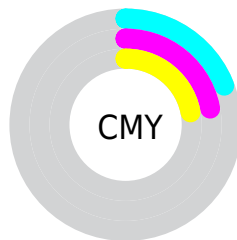
- Red (81%)
- Green (78%)
- Blue (78%)



- Red (81%)
- Yellow (78%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (4%)
- Black (19%)



- Cyan (19%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 2.948, 19.446 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, 2.948, 19.446 by changing the saturation by 10% instead.

■ 81, 2.948, 19.446

■ 81, 2.948, 19.446

■ 100, 2.948, 19.446

■ 71, 2.948, 19.446

■ 61, 2.948, 19.446

■ 51, 2.948, 19.446

■ 41, 2.948, 19.446

■ 31, 2.948, 19.446

■ 21, 2.948, 19.446

■ 11, 2.948, 19.446

■ 1, 2.948, 19.446

■ 0, 2.948, 19.446

81, 2.948, 19.446

81, 2.948, 19.446

75, 11.006, 20.321

87, 4.506, 199.256

70, 19.701, 21.246

93, 11.400,
198.750

64, 29.020, 22.431

97, 15.826,
198.453

59, 38.887, 23.976

55, 49.138, 25.991

51, 59.506, 28.577

47, 69.621, 31.761

45, 78.912, 35.325

44, 86.179, 38.490

Harmonies

Complementary

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



81, 2.948, 19.446



83, 2.876, 199.427

Rectangle

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



81, 2.948, 19.446



81, 2.948, 69.446



81, 2.948, 199.446



81, 2.948, 249.446

Sweetspot

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



81, 2.947, 19.483



99, 0.894, 18.765



81, 5.181, 324.601



53, 0.508, 18.724



0, 0.000, 0.000



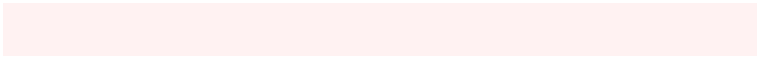
53, 0.007, 296.813

Same Dimension

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



81, 2.947, 19.483



97, 4.537, 19.604



82, 2.559, 74.807



42, 2.635, 19.657



35, 76.449, 39.869



4, 20.012, 19.488

Inverse Universe

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



83, 2.876, 199.427



99, 4.395, 199.316



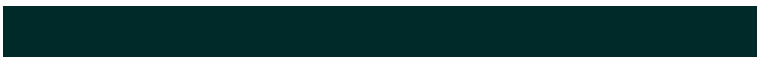
82, 2.549, 256.043



44, 2.544, 199.268



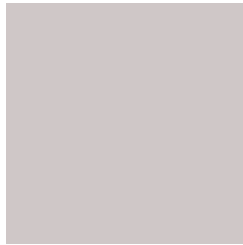
62, 36.689, 196.455



14, 14.031, 196.442

Previews

White Background



This preview shows how the CIELCh color 81, 2.948, 19.446 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, 2.948, 19.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

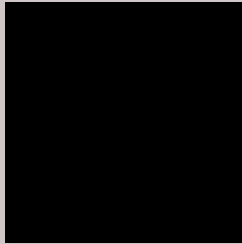
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

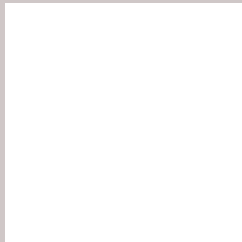
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 2.948, 19.446

Background



This preview shows how black text looks on a background with the CIELCh color 81, 2.948, 19.446.

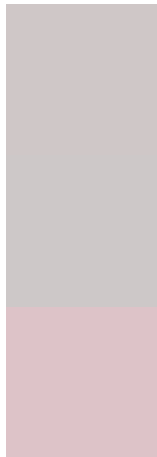


This preview shows how white text looks on a background with the CIELCh color 81, 2.948, 19.446.

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, 2.948, 19.446

Protanopia

81, 1.836, 19.246

Deuteranopia

81, 10.035, 4.905



Tritanopia
81, 9.591, 317.592

Trichromacy



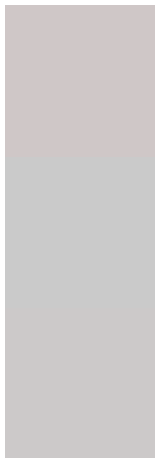
Original Color
81, 2.948, 19.446

Protanomaly
81, 2.205, 19.324

Deuteranomaly
81, 7.228, 7.232

Tritanomaly
81, 6.474, 324.663

Monochromacy



Original Color
81, 2.948, 19.446

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 1.099, 18.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 2.948, 19.446 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(207, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(207, 199, 199)  
}
```

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(207, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 199, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 2.948, 19.446 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(207, 199, 199) }
```

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

```
.border{ border-color:rgb(207, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(207, 199,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 2.948, 19.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 199, 199) }
```

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

```
.background{ background-color: rgb(207,  
199, 199) }
```

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