

Converting Colors

CIELCh(82, 0.721, 20.020)

Have a look what the booklet for
CIELCh(82, 0.721, 20.020) contains.

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Color

CIELCh(82, 0.731, 18.698)

Conversions

Conversions Part 1

Format	Color
Hex	CDCBCB
RGB	205, 203, 203
RGB Percent	80%, 80%, 80%
CMY	0.1943, 0.2022, 0.2022
CMYK	0.00, 0.01, 0.01, 0.19
HSL	0°, 2%, 80%
HSV	0°, 1%, 81%
XYZ	57.5939, 60.2982, 65.3817
YIQ	203.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

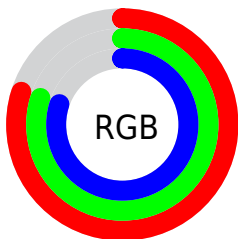
Format	Color
R _Y B	205, 203, 203
Decimal	13487051
CIE Lab	82.00, 0.69, 0.23
CIE LCh	82, 0.731, 18.698
Yxy	60.2982, 0.3143, 0.3290
Android (android.graphics.Color)	4291677131 (0xFFCDCBCB)
YUV	203.5980, -0.2948, 1.2296
Hunter-Lab	77.6519, -3.4985, 4.4351

Details

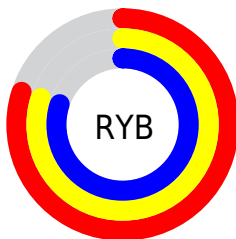
The CIELCh color **82, 0.731, 18.698** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 0.723, 200.279**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **62, 0.774, 18.906** is the 20% darker color. If you saturate the color by 10%, you get **76, 8.540, 20.192**, and if you desaturate by 10%, it is **88, 6.492, 199.197**.

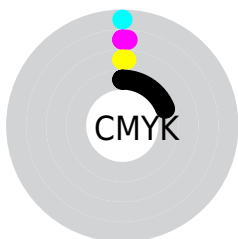
Distribution



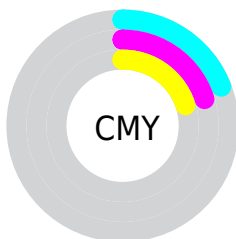
- Red (80%)
- Green (80%)
- Blue (80%)



- Red (80%)
- Yellow (80%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (19%)



- Cyan (19%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 0.731, 18.698 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 82, 0.731, 18.698 by changing the saturation by 10% instead.



82, 0.731, 18.698

82, 0.731, 18.698

76, 8.540, 20.192

88, 6.492, 199.197

71, 16.976, 21.056

94, 13.176,
198.754

65, 26.039, 22.149

97, 16.423,
198.415

60, 35.677, 23.572

55, 45.756, 25.428

51, 56.044, 27.827

48, 66.206, 30.827

45, 75.758, 34.308

44, 83.763, 37.696

Harmonies

Complementary

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



82, 0.731, 18.698



82, 0.723, 200.279

Rectangle

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



82, 0.731, 18.698



82, 0.731, 68.698



82, 0.731, 198.698



82, 0.731, 248.698

Sweetspot

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



82, 0.730, 18.842

100, 0.012, 296.813



82, 1.301, 324.293



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



82, 0.730, 18.842



99, 0.893, 18.874



82, 0.631, 74.709



43, 0.423, 18.811



34, 75.529, 39.846



4, 17.891, 19.492

Inverse Universe

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



82, 0.723, 200.279



100, 0.885, 200.247



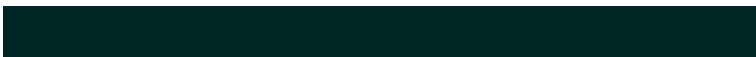
82, 0.645, 256.117



43, 0.419, 200.310



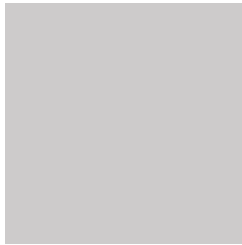
61, 36.209, 196.657



13, 13.486, 196.601

Previews

White Background



This preview shows how the CIELCh color 82, 0.731, 18.698 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 CIELCh color 82, 0.731, 18.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

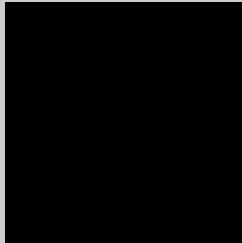
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

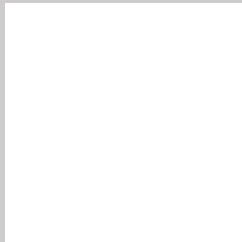
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 0.731, 18.698

Background



This preview shows how black text looks on a background with the CIELCh color 82, 0.731, 18.698.

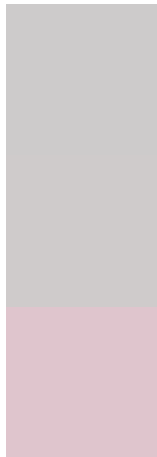


This preview shows how white text looks on a background with the CIELCh color 82, 0.731, 18.698.

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


82, 0.731, 18.698

Protanopia

82, 1.464, 19.135

Deuteranopia

82, 10.506, 356.507



Tritanopia
82, 8.886, 307.195

Trichromacy



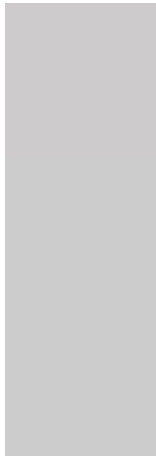
Original Color
82, 0.731, 18.698

Protanomaly
82, 1.097, 18.980

Deuteranomaly
82, 7.155, 358.233

Tritanomaly
82, 5.628, 309.253

Monochromacy



Original Color
82, 0.731, 18.698

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 0.366, 17.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 0.731, 18.698 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(205, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(205, 203, 203)  
}
```

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(205, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 203, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 0.731, 18.698 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(205, 203, 203) }
```

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

```
.border{ border-color:rgb(205, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(205, 203,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 0.731, 18.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 203, 203) }
```

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

```
.background{ background-color: rgb(205,  
203, 203) }
```

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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