

Converting Colors

CIELCh(81, 0.895, 346.580)

Have a look what the booklet for
CIELCh(81, 0.895, 346.580) contains.

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Color

CIELCh(81, 0.732, 18.705)

Conversions

Conversions Part 1

Format	Color
Hex	CBC9C9
RGB	203, 201, 201
RGB Percent	80%, 79%, 79%
CMY	0.2052, 0.2130, 0.2131
CMYK	0.00, 0.01, 0.01, 0.21
HSL	0°, 2%, 79%
HSV	0°, 1%, 79%
XYZ	55.8520, 58.4711, 63.3974
YIQ	201.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

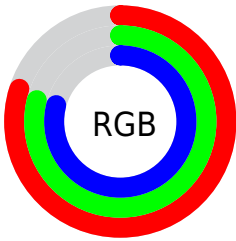
Format	Color
R_{YB}	203, 201, 201
Decimal	13355465
CIE _{Lab}	81.00, 0.69, 0.23
CIE _{LCh}	81, 0.732, 18.705
Yxy	58.4711, 0.3143, 0.3290
Android (android.graphics.Color)	4291545545 (0xFFCBC9C9)
YUV	201.5980, -0.2948, 1.2296
Hunter-Lab	76.4664, -3.4377, 4.3699

Details

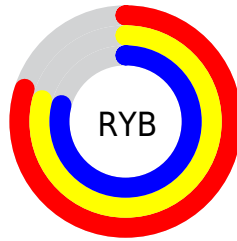
The CIELCh color $81, 0.732, 18.705$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 0.724, 200.265$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 0.776, 18.914$ is the 20% darker color. If you saturate the color by 10%, you get $75, 8.456, 20.188$, and if you desaturate by 10%, it is $87, 6.412, 199.193$.

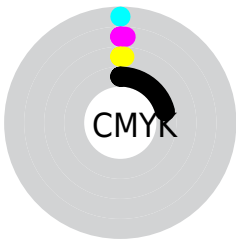
Distribution



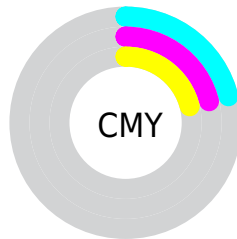
- Red (80%)
- Green (79%)
- Blue (79%)



- Red (80%)
- Yellow (79%)
- Blue (79%)



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

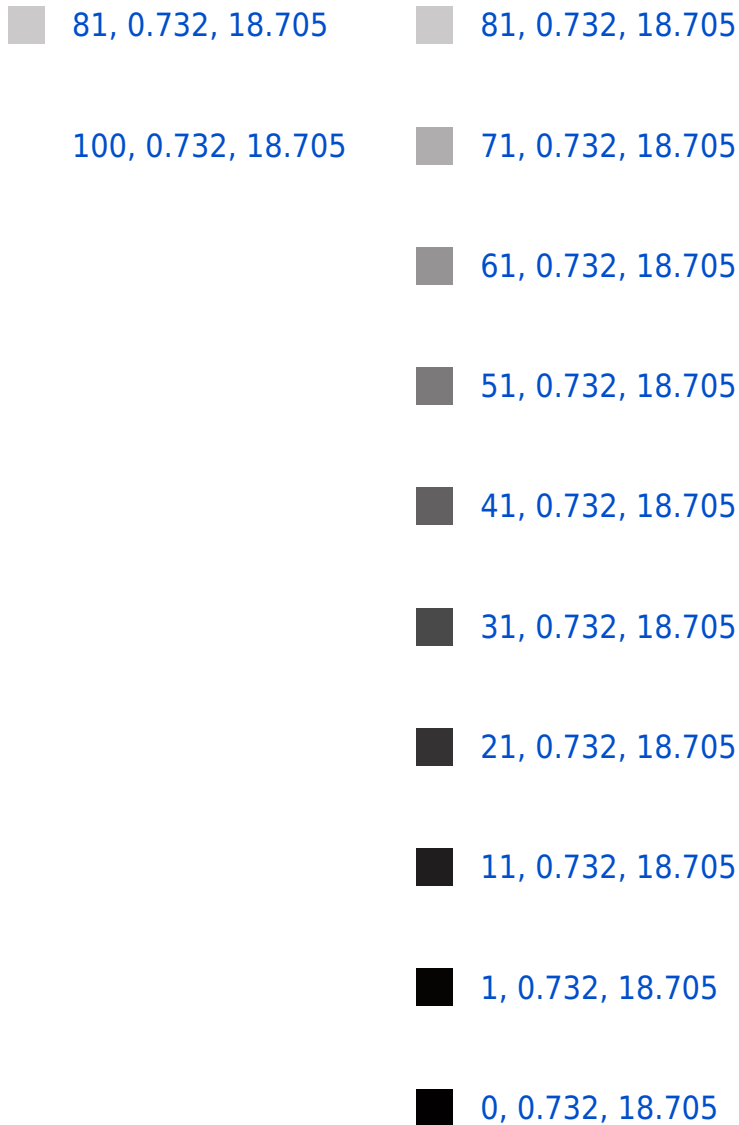


- Cyan (21%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 0.732, 18.705 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, 0.732, 18.705 by changing the saturation by 10% instead.



81, 0.732, 18.705

81, 0.732, 18.705

75, 8.456, 20.188

87, 6.412, 199.193

70, 16.799, 21.051

93, 13.025,
198.751

64, 25.762, 22.144

97, 17.283,
198.360

59, 35.294, 23.564

55, 45.261, 25.418

51, 55.436, 27.813

47, 65.487, 30.808

45, 74.939, 34.286

43, 82.870, 37.676

Harmonies

Complementary

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



81, 0.732, 18.705



81, 0.724, 200.265

Rectangle

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



81, 0.732, 18.705



81, 0.732, 68.705



81, 0.732, 198.705



81, 0.732, 248.705

Sweetspot

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



81, 0.731, 18.847

100, 0.012, 296.813



81, 1.302, 324.296



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



81, 0.731, 18.847



99, 0.893, 18.870



81, 0.632, 74.715



43, 0.423, 18.807



34, 75.530, 39.845



4, 17.892, 19.490

Inverse Universe

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



81, 0.724, 200.265



100, 0.885, 200.243



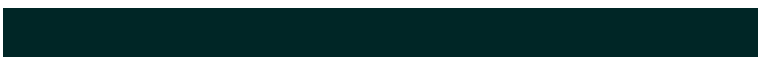
81, 0.645, 256.111



43, 0.419, 200.305



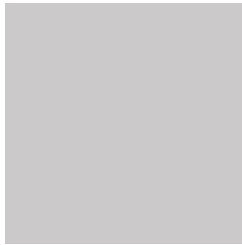
62, 36.212, 196.649



13, 13.487, 196.595

Previews

White Background



This preview shows how the CIELCh color 81, 0.732, 18.705 looks on a white background.

Color Contrast Check

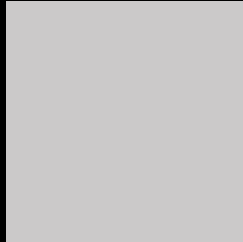
Large Text (above 18pt) WCAG AA × Fail

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, 0.732, 18.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

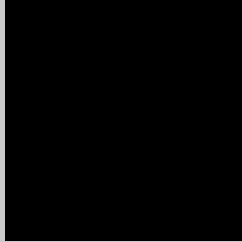
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

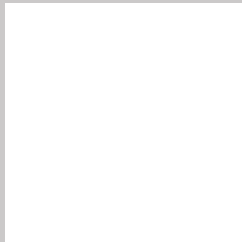
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 0.732, 18.705

Background



This preview shows how black text looks on a background with the CIELCh color 81, 0.732, 18.705.

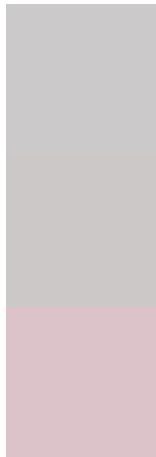


This preview shows how white text looks on a background with the CIELCh color 81, 0.732, 18.705.

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, 0.732, 18.705

Protanopia

81, 1.836, 19.246

Deuteranopia

81, 9.988, 358.410



Tritanopia
81, 8.292, 305.840

Trichromacy



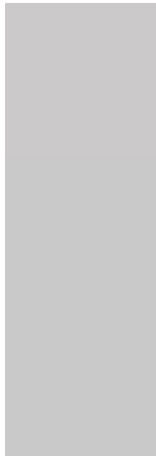
Original Color
81, 0.732, 18.705

Protanomaly
81, 1.468, 19.142

Deuteranomaly
81, 6.824, 357.045

Tritanomaly
81, 5.020, 307.283

Monochromacy



Original Color
81, 0.732, 18.705

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 0.367, 17.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 0.732, 18.705 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(203, 201, 201)` looks like.

```
.text, #text, p{  
    color:rgb(203, 201, 201)  
}
```

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(203, 201, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 201, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 0.732, 18.705 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(203, 201, 201) }
```

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

```
.border{ border-color:rgb(203, 201, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 201, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 201, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 201, 201);  
box-shadow:4px 4px 4px 4px rgb(203, 201,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 0.732, 18.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 201, 201) }
```

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

```
.background{ background-color: rgb(203,  
201, 201) }
```

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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