

Converting Colors

CIELCh(81, 8.684, 289.791)

Have a look what the booklet for
CIELCh(81, 8.684, 289.791) contains.

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Color

CIELCh(81, 8.511, 288.561)

Conversions

Conversions Part 1

Format	Color
Hex	C7C8D8
RGB	199, 200, 216
RGB Percent	78%, 78%, 85%
CMY	0.2192, 0.2153, 0.1526
CMYK	0.08, 0.07, 0.00, 0.15
HSL	236°, 18%, 81%
HSV	236°, 8%, 85%
XYZ	56.6624, 58.4711, 73.3310
YIQ	201.5250, -5.7320, 4.7640

Conversions

Conversions Part 2

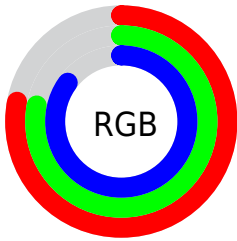
Format	Color
R_{YB}	199, 200, 216
Decimal	13093080
CIE _{Lab}	81.00, 2.71, -8.07
CIE _{LCh}	81, 8.511, 288.561
Yxy	58.4711, 0.3007, 0.3102
Android (android.graphics.Color)	4291283160 (0xFFC7C8D8)
YUV	201.5250, 7.1362, -2.2144
Hunter-Lab	76.4664, -1.5459, -3.3324

Details

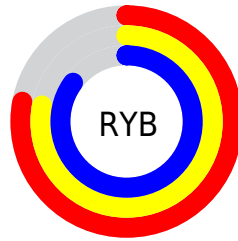
The CIELCh color $81, 8.511, 288.561$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86, 8.367, 106.908$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 8.455, 288.611$ is the 20% darker color. If you saturate the color by 10%, you get $74, 19.686, 289.773$, and if you desaturate by 10%, it is $88, 2.252, 107.459$.

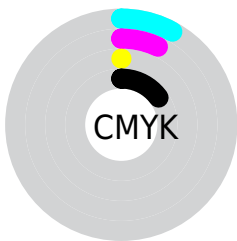
Distribution



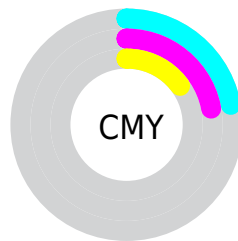
- Red (78%)
- Green (78%)
- Blue (85%)



- Red (78%)
- Yellow (78%)
- Blue (85%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (22%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 8.511, 288.561 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, 8.511, 288.561 by changing the saturation by 10% instead.

■ 81, 8.511, 288.561

■ 81, 8.511, 288.561

■ 100, 8.511,
288.561

■ 71, 8.511, 288.561

■ 61, 8.511, 288.561

■ 51, 8.511, 288.561

■ 41, 8.511, 288.561

■ 31, 8.511, 288.561

■ 21, 8.511, 288.561

■ 11, 8.511, 288.561

■ 1, 8.511, 288.561

■ 0, 8.511, 288.561

81, 8.511, 288.561

81, 8.511, 288.561

74, 19.686,
289.773

88, 2.252, 107.459

67, 31.312,
291.212

95, 12.630,
106.603

60, 43.424,
292.901

99, 19.664,
108.689

54, 56.036,
294.857

47, 69.101,
297.069

41, 82.392,
299.465

35, 95.293,
301.868

31, 106.553,
303.991

■ 28, 114.444,
305.496

Harmonies

Complementary

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



81, 8.511, 288.561



86, 8.367, 106.908

Rectangle

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



81, 8.511, 288.561



81, 8.511, 338.561



81, 8.511, 108.561



81, 8.511, 158.561

Sweetspot

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



81, 8.509, 288.553



98, 2.456, 287.956



85, 6.063, 193.414



53, 1.396, 287.948



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, 8.509, 288.553



93, 11.158, 288.691



81, 9.449, 307.072



41, 6.111, 288.729



21, 96.371, 305.510



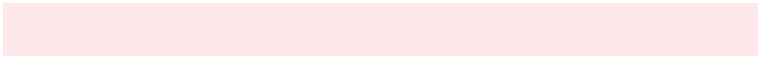
2, 26.444, 292.714

Inverse Universe

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



82, 6.327, 15.014



94, 8.314, 15.127



85, 9.322, 126.348



42, 4.557, 15.158



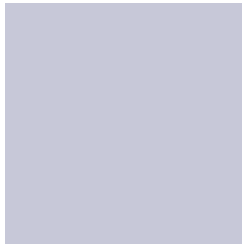
35, 74.925, 37.477



5, 21.966, 17.137

Previews

White Background



This preview shows how the CIELCh color 81, 8.511, 288.561 looks on a white background.

Color Contrast Check

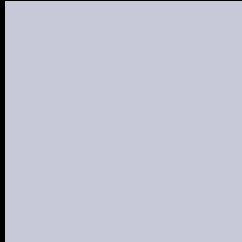
Large Text (above 18pt) WCAG AA × Fail

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, 8.511, 288.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

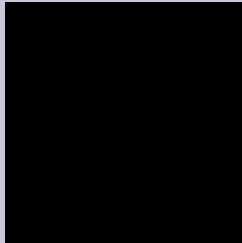
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 8.511, 288.561

Background



This preview shows how black text looks on a background with the CIELCh color 81, 8.511, 288.561.

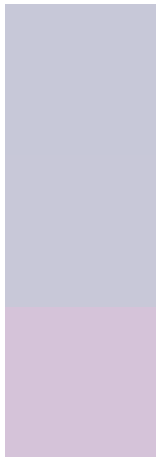


This preview shows how white text looks on a background with the CIELCh color 81, 8.511, 288.561.

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, 8.511, 288.561

Protanopia

81, 8.509, 290.936

Deuteranopia

81, 13.425, 319.790



Tritanopia
81, 8.511, 288.561

Trichromacy



Original Color
81, 8.511, 288.561

Protanomaly
81, 8.509, 290.936

Deuteranomaly
81, 11.393, 311.179

Tritanomaly
81, 8.511, 288.561

Monochromacy



Original Color
81, 8.511, 288.561

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 3.194, 290.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 8.511, 288.561 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(199, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(199, 200, 216)  
}
```

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(199, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 200, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 8.511, 288.561 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(199, 200, 216) }
```

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

```
.border{ border-color:rgb(199, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 200,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 8.511, 288.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 200, 216) }
```

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

```
.background{ background-color: rgb(199,  
200, 216) }
```

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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