

Converting Colors

CIE LCh(81, 9.604, 303.354)

Have a look what the booklet for
CIELCh(81, 9.604, 303.354) contains.

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Color

CIELCh(81, 9.243, 302.043)

Conversions

Conversions Part 1

Format	Color
Hex	CCC7D8
RGB	204, 199, 216
RGB Percent	80%, 78%, 85%
CMY	0.2010, 0.2206, 0.1540
CMYK	0.06, 0.08, 0.00, 0.15
HSL	258°, 18%, 81%
HSV	258°, 8%, 85%
XYZ	57.5536, 58.4711, 73.0384
YIQ	202.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

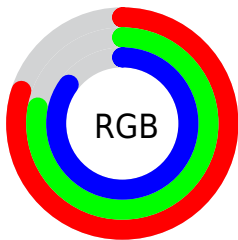
Format	Color
R_{YB}	204, 199, 216
Decimal	13420504
CIE _{Lab}	81.00, 4.90, -7.83
CIE _{LCh}	81, 9.243, 302.043
Yxy	58.4711, 0.3044, 0.3093
Android (android.graphics.Color)	4291610584 (0xFFCCC7D8)
YUV	202.4330, 6.6885, 1.3743
Hunter-Lab	76.4664, 0.5345, -3.1056

Details

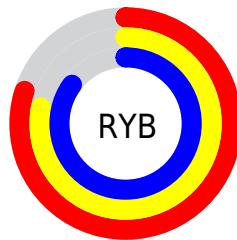
The CIELCh color $81, 9.243, 302.043$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85, 9.091, 121.130$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $61, 9.240, 302.833$ is the 20% darker color. If you saturate the color by 10%, you get $74, 21.343, 302.711$, and if you desaturate by 10%, it is $88, 2.434, 121.478$.

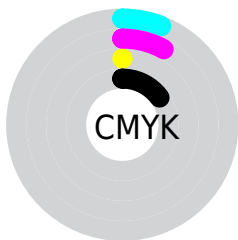
Distribution



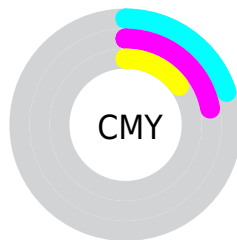
- Red (80%)
- Green (78%)
- Blue (85%)



- Red (80%)
- Yellow (78%)
- Blue (85%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 9.243, 302.043 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, 9.243, 302.043 by changing the saturation by 10% instead.

■ 81, 9.243, 302.043

■ 81, 9.243, 302.043

■ 100, 9.243,
302.043

■ 71, 9.243, 302.043

■ 61, 9.243, 302.043

■ 51, 9.243, 302.043

■ 41, 9.243, 302.043

■ 31, 9.243, 302.043

■ 21, 9.243, 302.043

■ 11, 9.243, 302.043

■ 1, 9.243, 302.043

■ 0, 9.243, 302.043

81, 9.243, 302.043

81, 9.243, 302.043

74, 21.343,
302.711

88, 2.434, 121.478

68, 33.871,
303.470

94, 13.696,
120.952

61, 46.796,
304.315

99, 19.974,
114.566

55, 60.020,
305.230

99, 19.846,
108.675

48, 73.326,
306.179

42, 86.272,
307.090

37, 98.072,
307.838

33, 107.551,
308.249

■ 30,113.631,
308.180

Harmonies

Complementary

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



81, 9.243, 302.043



85, 9.091, 121.130

Rectangle

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



81, 9.243, 302.043



81, 9.243, 352.043



81, 9.243, 122.043



81, 9.243, 172.043

Sweetspot

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



81, 9.241, 302.038



98, 2.668, 301.670



84, 4.956, 230.127



53, 1.517, 301.663



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, 9.241, 302.038



93, 12.118, 302.115



82, 10.259, 318.632



42, 6.637, 302.137



22, 96.224, 308.301



2, 28.055, 301.418

Inverse Universe

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



82, 8.905, 334.537



94, 11.665, 334.626



85, 10.203, 137.977



42, 6.387, 334.650



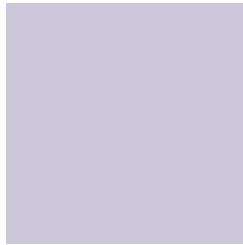
38, 68.716, 344.321



6, 26.577, 340.751

Previews

White Background



This preview shows how the CIELCh color 81, 9.243, 302.043 looks on a white background.

Color Contrast Check

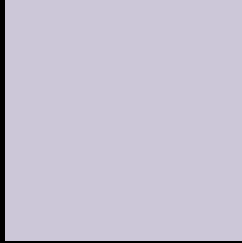
Large Text (above 18pt) WCAG AA × Fail

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, 9.243, 302.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

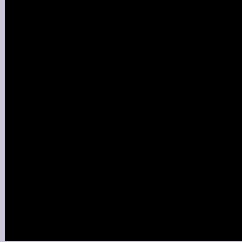
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 9.243, 302.043

Background



This preview shows how black text looks on a background with the CIELCh color 81, 9.243, 302.043.

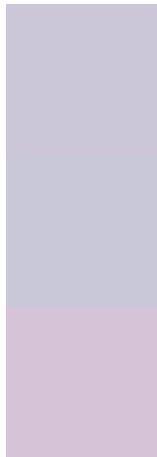


This preview shows how white text looks on a background with the CIELCh color 81, 9.243, 302.043.

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, 9.243, 302.043

Protanopia

81, 8.509, 290.936

Deuteranopia

81, 13.149, 322.303



Tritanopia
81, 8.723, 302.691

Trichromacy



Original Color
81, 9.243, 302.043

Protanomaly
81, 8.522, 293.313

Deuteranomaly
81, 11.820, 316.104

Tritanomaly
81, 8.723, 302.691

Monochromacy



Original Color
81, 9.243, 302.043

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 3.284, 303.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 9.243, 302.043 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(204, 199, 216)` looks like.

```
.text, #text, p{  
    color:rgb(204, 199, 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(204, 199, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 199, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 9.243, 302.043 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(204, 199, 216) }
```

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

```
.border{ border-color:rgb(204, 199, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 199, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 199, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 199, 216);  
box-shadow:4px 4px 4px 4px rgb(204, 199,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 9.243, 302.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 199, 216) }
```

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

```
.background{ background-color: rgb(204,  
199, 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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