

Converting Colors

CIELCh(81, 18.736, 305.653)

Have a look what the booklet for
CIELCh(81, 18.736, 305.653)
contains.

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Color

CIELCh(81, 18.719, 305.649)

Conversions

Conversions Part 1

Format	Color
Hex	D1C4E6
RGB	209, 196, 230
RGB Percent	82%, 77%, 90%
CMY	0.1821, 0.2330, 0.0997
CMYK	0.09, 0.15, 0.00, 0.10
HSL	263°, 40%, 83%
HSV	263°, 15%, 90%
XYZ	60.0400, 58.4711, 82.6646
YIQ	203.7630, -3.1660, 13.3300

Conversions

Conversions Part 2

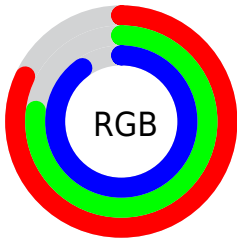
Format	Color
R _{YB}	209, 196, 230
Decimal	13747430
CIE _{Lab}	81.00, 10.91, -15.21
CIE _{LCh}	81, 18.719, 305.649
Y _{xy}	58.4711, 0.2984, 0.2906
Android (android.graphics.Color)	4291937510 (0xFFD1C4E6)
Y _{UV}	203.7630, 12.9348, 4.5928
Hunter-Lab	76.4664, 6.3386, -10.5694

Details

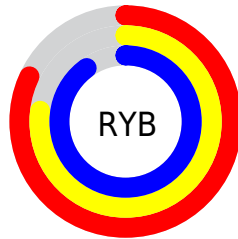
The CIELCh color `81, 18.719, 305.649` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 18.247, 124.104`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 1.250, 324.238`, and `61, 18.639, 305.588` is the 20% darker color. If you saturate the color by 10%, you get `74, 31.867, 306.268`, and if you desaturate by 10%, it is `88, 5.979, 305.083`.

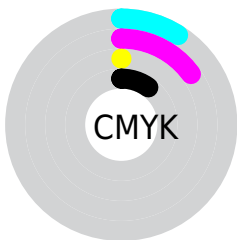
Distribution



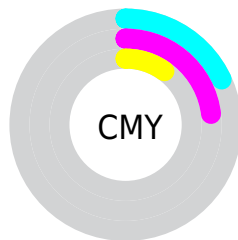
- Red (82%)
- Green (77%)
- Blue (90%)



- Red (82%)
- Yellow (77%)
- Blue (90%)



- Cyan (9%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)





- Cyan (18%)
- Magenta (23%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 18.719, 305.649 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, 18.719, 305.649 by changing the saturation by 10% instead.


 81, 18.719,
305.649


 81, 18.719,
305.649


 100, 18.719,
305.649


 71, 18.719,
305.649


 61, 18.719,
305.649

 51, 18.719,
305.649

 41, 18.719,
305.649

 31, 18.719,
305.649

 21, 18.719,
305.649

 11, 18.719,

305.649

■ 1, 18.719, 305.649

■ 0, 18.719, 305.649

■ 81, 18.719,
305.649

■ 81, 18.719,
305.649

■ 74, 31.867,
306.268

■ 88, 5.979, 305.083

■ 67, 45.385,
306.947

■ 95, 6.337, 124.622

■ 61, 59.162,
307.668

■ 99, 12.965,
115.422

■ 54, 72.973,
308.398

■ 99, 12.872,
109.205

■ 48, 86.399,

309.077

■ 43, 98.727,
309.606

■ 38, 108.919,
309.845

■ 35, 115.836,
309.642

■ 33, 118.324,
309.413

Harmonies

Complementary

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



81, 18.719, 305.649



89, 18.247, 124.104

Rectangle

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



81, 18.719, 305.649



81, 18.719, 355.649



81, 18.719, 125.649



81, 18.719, 175.649

Sweetspot

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



81, 18.717, 305.647



97, 5.416, 305.040



86, 9.732, 241.467



51, 3.853, 305.082



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, 18.717, 305.647



87, 24.916, 305.845



82, 20.876, 321.452



44, 7.117, 305.340



25, 97.828, 309.584



3, 34.914, 306.911

Inverse Universe

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



82, 16.627, 338.917



88, 22.066, 339.191



88, 20.771, 140.009



45, 6.349, 338.482



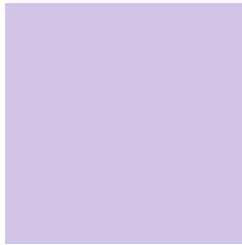
39, 67.452, 351.307



7, 29.123, 346.614

Previews

White Background



This preview shows how the CIELCh color 81, 18.719, 305.649 looks on a white background.

Color Contrast Check

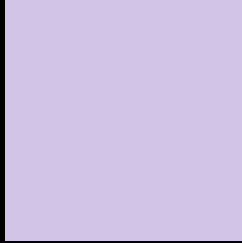
Large Text (above 18pt) WCAG AA × Fail

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 81, 18.719, 305.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

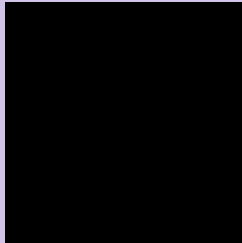
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 18.719, 305.649

Background



This preview shows how black text looks on a background with the CIELCh color 81, 18.719, 305.649.



This preview shows how white text looks on a background with the CIELCh color 81, 18.719, 305.649.

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, 18.719, 305.649

Protanopia

81, 17.057, 285.967

Deuteranopia

81, 18.042, 303.884



Tritanopia
81, 9.020, 309.386

Trichromacy



Original Color
81, 18.719, 305.649

Protanomaly
81, 17.590, 293.946

Deuteranomaly
81, 18.121, 304.964

Tritanomaly
81, 12.793, 307.258

Monochromacy



Original Color
81, 18.719, 305.649

Achromatopsia
82, 0.010, 296.813

Achromatomaly
81, 7.164, 305.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 18.719, 305.649 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(209, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 196, 230)  
}
```

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(209, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 196, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 18.719, 305.649 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(209, 196, 230) }
```

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

```
.border{ border-color:rgb(209, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 196,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 18.719, 305.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 196, 230) }
```

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

```
.background{ background-color: rgb(209,  
196, 230) }
```

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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