

Converting Colors

CIELCh(82, 19.798, 309.781)

Have a look what the booklet for
CIELCh(82, 19.798, 309.781)
contains.

CIELCh(82, 19.698, 310.246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 19.698, 310.246)

Conversions

Conversions Part 1

Format	Color
Hex	D7C5E8
RGB	215, 197, 232
RGB Percent	84%, 77%, 91%
CMY	0.1563, 0.2269, 0.0896
CMYK	0.07, 0.15, 0.00, 0.09
HSL	271°, 43%, 84%
HSV	271°, 15%, 91%
XYZ	62.6492, 60.2982, 84.7867
YIQ	206.3720, -0.5070, 14.7010

Conversions

Conversions Part 2

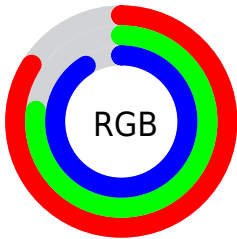
Format	Color
R _Y B	215, 197, 232
Decimal	14140904
CIE Lab	82.00, 12.73, -15.04
CIE LCh	82, 19.698, 310.246
Yxy	60.2982, 0.3016, 0.2903
Android (android.graphics.Color)	4292330984 (0xFFD7C5E8)
YUV	206.3720, 12.6346, 7.5668
Hunter-Lab	77.6519, 8.1222, -10.3813

Details

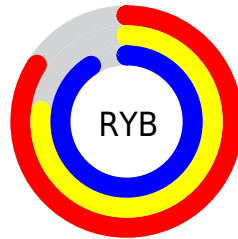
The CIELCh color $82, 19.698, 310.246$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $90, 19.304, 128.897$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.630, 323.973$, and $62, 19.649, 310.440$ is the 20% darker color. If you saturate the color by 10%, you get $75, 33.190, 310.750$, and if you desaturate by 10%, it is $89, 6.543, 309.765$.

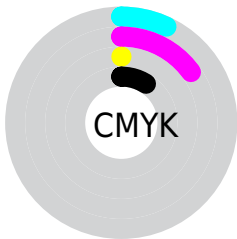
Distribution



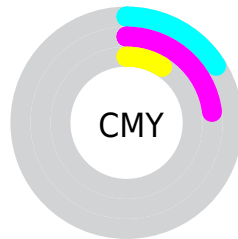
- Red (84%)
- Green (77%)
- Blue (91%)



- Red (84%)
- Yellow (77%)
- Blue (91%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (23%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 19.698, 310.246 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, 19.698, 310.246 by changing the saturation by 10% instead.


 82, 19.698,
310.246


 82, 19.698,
310.246


 100, 19.698,
310.246


 72, 19.698,
310.246


 62, 19.698,
310.246

 52, 19.698,
310.246

 42, 19.698,
310.246

 32, 19.698,
310.246

 22, 19.698,
310.246

 12, 19.698,

310.246

■ 2, 19.698, 310.246

■ 0, 19.698, 310.246

■ 82, 19.698,
310.246

■ 82, 19.698,
310.246

■ 75, 33.190,
310.750

■ 89, 6.543, 309.765

■ 69, 46.938,
311.278

■ 95, 6.228, 129.385

■ 63, 60.771,
311.809

■ 99, 11.798,
119.891

■ 56, 74.395,
312.303

■ 99, 11.569,
109.303

■ 51, 87.323,

312.704

■ 46, 98.835,
312.924

■ 42, 108.014,
312.856

■ 39, 114.013,
312.392

■ 37, 116.049,
312.062

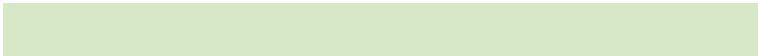
Harmonies

Complementary

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



82, 19.698, 310.246



90, 19.304, 128.897

Rectangle

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



82, 19.698, 310.246



82, 19.698, 0.246



82, 19.698, 130.246



82, 19.698, 180.246

Sweetspot

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



82, 19.696, 310.245



96, 6.954, 309.763



85, 10.842, 257.527



51, 4.748, 309.797



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 19.696, 310.245



87, 25.479, 310.394



83, 22.314, 325.259



46, 7.427, 309.975



29, 96.180, 312.243



5, 37.750, 312.092

Inverse Universe

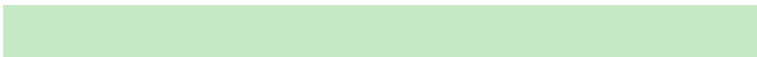
The Inverse Universe completely reimagines the original color for something new.



83, 15.639, 345.719



88, 20.212, 346.015



89, 22.292, 143.518



46, 5.904, 345.186



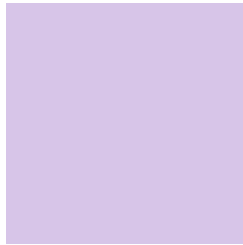
39, 65.411, 3.290



8, 28.479, 356.305

Previews

White Background



This preview shows how the CIELCh color 82, 19.698, 310.246 looks on a white background.

Color Contrast Check

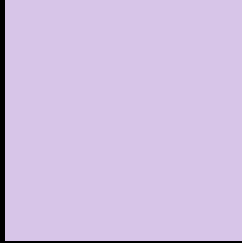
Large Text (above 18pt) WCAG AA × Fail

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 82, 19.698, 310.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

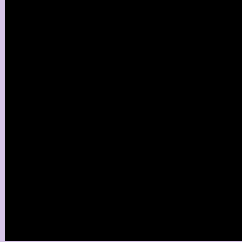
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 19.698, 310.246

Background



This preview shows how black text looks on a background with the CIELCh color 82, 19.698, 310.246.



This preview shows how white text looks on a background with the CIELCh color 82, 19.698, 310.246.

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, 19.698, 310.246

Protanopia

82, 18.058, 287.457

Deuteranopia

82, 18.071, 304.953



Tritanopia
82, 9.734, 319.490

Trichromacy



Original Color
82, 19.698, 310.246

Protanomaly
82, 18.663, 295.978

Deuteranomaly
82, 18.866, 307.706

Tritanomaly
82, 13.378, 314.619

Monochromacy



Original Color
82, 19.698, 310.246

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 7.363, 310.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 19.698, 310.246 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(215, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(215, 197, 232)  
}
```

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(215, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 197, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 19.698, 310.246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

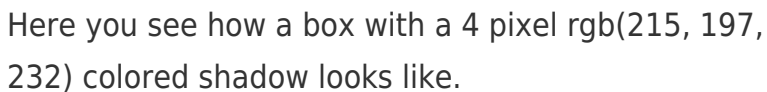
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 197, 232) }
```

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

```
.border{ border-color:rgb(215, 197, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 197, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 197, 232); box-shadow:4px 4px 4px 4px rgb(215, 197, 232) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 19.698, 310.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 197, 232) }
```

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

```
.background{ background-color: rgb(215,  
197, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor