

Converting Colors

CIELCh(82, 17.031, 313.168)

Have a look what the booklet for
CIELCh(82, 17.031, 313.168)
contains.

CIELCh(82, 16.718, 313.699)	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, 16.718, 313.699)

Conversions

Conversions Part 1

Format	Color
Hex	D8C6E3
RGB	216, 198, 227
RGB Percent	85%, 78%, 89%
CMY	0.1543, 0.2249, 0.1112
CMYK	0.05, 0.13, 0.00, 0.11
HSL	277°, 34%, 83%
HSV	277°, 13%, 89%
XYZ	62.1425, 60.2982, 80.7760
YIQ	206.6880, 1.4190, 12.8350

Conversions

Conversions Part 2

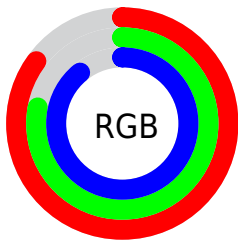
Format	Color
R _Y B	216, 198, 227
Decimal	14206691
CIE Lab	82.00, 11.55, -12.09
CIE LCh	82, 16.718, 313.699
Yxy	60.2982, 0.3058, 0.2967
Android (android.graphics.Color)	4292396771 (0xFFD8C6E3)
YUV	206.6880, 10.0138, 8.1666
Hunter-Lab	77.6519, 6.9574, -7.3190

Details

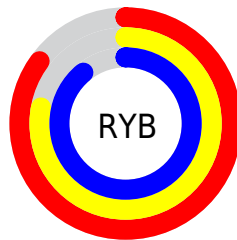
The CIELCh color $82, 16.718, 313.699$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $88, 16.498, 132.629$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $62, 17.011, 313.398$ is the 20% darker color. If you saturate the color by 10%, you get $76, 30.112, 314.151$, and if you desaturate by 10%, it is $88, 3.608, 313.235$.

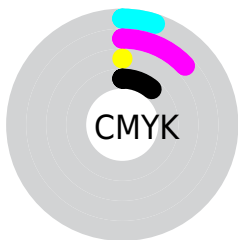
Distribution



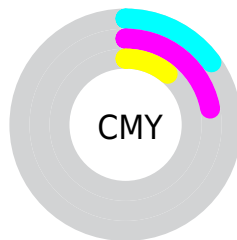
- Red (85%)
- Green (78%)
- Blue (89%)



- Red (85%)
- Yellow (78%)
- Blue (89%)



- Cyan (5%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)





- Cyan (15%)
- Magenta (22%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 16.718, 313.699 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, 16.718, 313.699 by changing the saturation by 10% instead.


 82, 16.718,
313.699


 82, 16.718,
313.699


 100, 16.718,
313.699


 72, 16.718,
313.699

 62, 16.718,
313.699

 52, 16.718,
313.699

 42, 16.718,
313.699

 32, 16.718,
313.699

 22, 16.718,
313.699

 12, 16.718,

313.699

■ 2, 16.718, 313.699

■ 0, 16.718, 313.699

■ 82, 16.718,
313.699

■ 82, 16.718,
313.699

■ 76, 30.112,
314.151

■ 88, 3.608, 313.235

■ 70, 43.688,
314.610

■ 95, 9.156, 132.906

■ 64, 57.258,
315.055

■ 98, 15.229,
127.805

■ 58, 70.513,
315.454

■ 99, 14.483,
116.236

■ 53, 82.984,

■ 99, 14.349,
109.093

315.755

■ 48, 94.019,
315.892

■ 44, 102.837,
315.781

■ 41, 108.740,
315.341

■ 40, 111.370,
314.843

Harmonies

Complementary

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



82, 16.718, 313.699



88, 16.498, 132.629

Rectangle

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



82, 16.718, 313.699



82, 16.718, 3.699



82, 16.718, 133.699



82, 16.718, 183.699

Sweetspot

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



82, 16.716, 313.698



97, 5.696, 313.301



83, 10.108, 268.702



51, 4.051, 313.337



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, 16.716, 313.698



90, 21.628, 313.801



83, 17.121, 328.516



44, 7.332, 313.549



30, 92.051, 315.022



4, 34.326, 314.857

Inverse Universe

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



82, 12.157, 351.868



90, 15.745, 352.112



87, 17.087, 146.987



44, 5.325, 351.519



37, 64.449, 13.455



6, 25.593, 3.062

Previews

White Background



This preview shows how the CIELCh color 82, 16.718, 313.699 looks on a white background.

Color Contrast Check

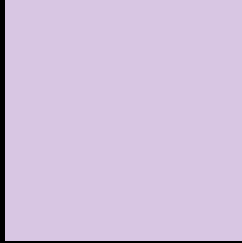
Large Text (above 18pt) WCAG AA × Fail

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 82, 16.718, 313.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

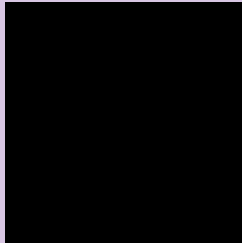
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 16.718, 313.699

Background



This preview shows how black text looks on a background with the CIELCh color 82, 16.718, 313.699.




This preview shows how white text looks on a background with the CIELCh color 82, 16.718, 313.699.

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





Tritanopia
82, 9.464, 322.967

Trichromacy



Original Color
82, 16.718, 313.699

Protanomaly
82, 15.577, 299.175

Deuteranomaly
82, 15.969, 312.048

Tritanomaly
82, 12.111, 319.196

Monochromacy



Original Color
82, 16.718, 313.699

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.380, 313.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 16.718, 313.699 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(216, 198, 227)` looks like.

```
.text, #text, p{  
    color:rgb(216, 198, 227)  
}
```

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(216, 198, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 198, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 16.718, 313.699 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(216, 198, 227) }
```

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

```
.border{ border-color:rgb(216, 198, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 198, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 198, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 198, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 198,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 16.718, 313.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 198, 227) }
```

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

```
.background{ background-color: rgb(216,  
198, 227) }
```

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