

Converting Colors

CIELCh(80, 27.699, 302.265)

Have a look what the booklet for
CIELCh(80, 27.699, 302.265)
contains.

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Color

CIELCh(80, 27.725, 302.271)

Conversions

Conversions Part 1

Format	Color
Hex	CDBFF2
RGB	205, 191, 242
RGB Percent	80%, 75%, 95%
CMY	0.1959, 0.2508, 0.0508
CMYK	0.15, 0.21, 0.00, 0.05
HSL	256°, 66%, 85%
HSV	256°, 21%, 95%
XYZ	59.8650, 56.6813, 91.8284
YIQ	201.0000, -8.0270, 18.8290

Conversions

Conversions Part 2

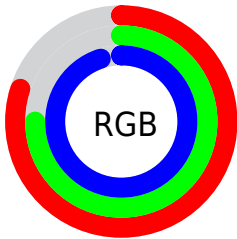
Format	Color
R _Y B	205, 191, 242
Decimal	13484018
CIE _{Lab}	80.00, 14.80, -23.44
CIE _{LCh}	80, 27.725, 302.271
Yxy	56.6813, 0.2873, 0.2720
Android (android.graphics.Color)	4291674098 (0xFFCDBFF2)
YUV	201.0000, 20.2130, 3.5080
Hunter-Lab	75.2870, 10.1835, -19.6158

Details

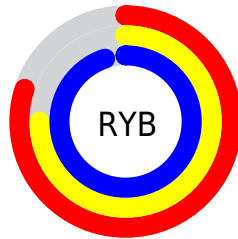
The CIELCh color `80, 27.725, 302.271` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 26.571, 119.562`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 4.981, 324.553`, and `60, 27.565, 301.773` is the 20% darker color. If you saturate the color by 10%, you get `73, 41.618, 303.098`, and if you desaturate by 10%, it is `87, 14.305, 301.538`.

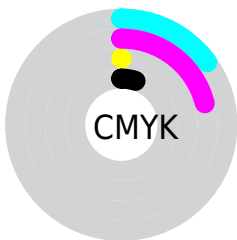
Distribution



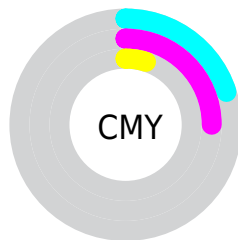
- Red (80%)
- Green (75%)
- Blue (95%)



- Red (80%)
- Yellow (75%)
- Blue (95%)



- Cyan (15%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)





- Cyan (20%)
- Magenta (25%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 27.725, 302.271 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 80, 27.725, 302.271 by changing the saturation by 10% instead.


 80, 27.725,
302.271


 80, 27.725,
302.271


 100, 27.725,
302.271


 70, 27.725,
302.271

 60, 27.725,
302.271

 50, 27.725,
302.271

 40, 27.725,
302.271

 30, 27.725,
302.271

 20, 27.725,
302.271

 10, 27.725,

302.271

■ 0, 27.725, 302.271

■ 80, 27.725,
302.271

■ 80, 27.725,
302.271

■ 73, 41.618,
303.098

■ 87, 14.305,
301.538

■ 65, 55.943,
304.017

■ 95, 1.367, 300.869

■ 58, 70.561,
305.008

■ 100, 6.554,
109.676

■ 51, 85.167,
306.022

■ 45, 99.150,
306.966

■ 40,111.455,
307.689

■ 36,120.632,
307.994

■ 33,125.604,
307.868

Harmonies

Complementary

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



80, 27.725, 302.271



93, 26.571, 119.562

Rectangle

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



80, 27.725, 302.271



80, 27.725, 352.271



80, 27.725, 122.271



80, 27.725, 172.271

Sweetspot

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



80, 27.723, 302.270



95, 8.018, 301.201



89, 14.120, 229.008



50, 5.324, 301.244



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 27.723, 302.270



81, 34.563, 302.590



82, 30.324, 318.723



46, 7.264, 301.429



24, 101.887, 308.014



4, 38.677, 305.291

Inverse Universe

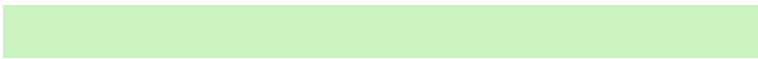
The Inverse Universe completely reimagines the original color for something new.



83, 26.724, 334.718



84, 33.101, 335.017



92, 29.964, 136.785



47, 7.105, 333.878



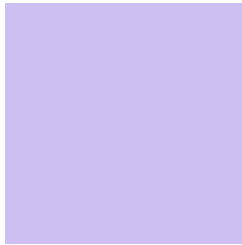
41, 73.345, 343.036



9, 32.875, 340.447

Previews

White Background



This preview shows how the CIELCh color 80, 27.725, 302.271 looks on a white background.

Color Contrast Check

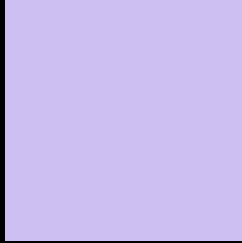
Large Text (above 18pt) WCAG AA × Fail

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 80, 27.725, 302.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

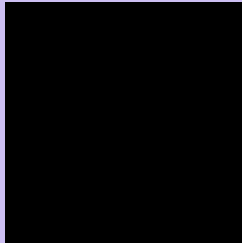
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 27.725, 302.271

Background



This preview shows how black text looks on a background with the CIELCh color 80, 27.725, 302.271.

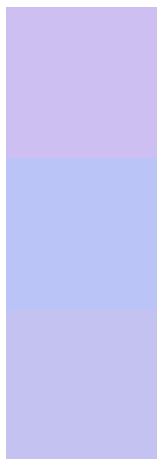


This preview shows how white text looks on a background with the CIELCh color 80, 27.725, 302.271.

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


80, 27.725, 302.271

Protanopia

80, 26.737, 286.260

Deuteranopia

80, 25.107, 293.897



Tritanopia
80, 8.678, 300.389

Trichromacy



Original Color
80, 27.725, 302.271

Protanomaly
80, 27.216, 292.567

Deuteranomaly
80, 25.747, 296.876

Tritanomaly
80, 15.778, 301.718

Monochromacy



Original Color
80, 27.725, 302.271

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 10.307, 300.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 27.725, 302.271 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(205, 191, 242)` looks like.

```
.text, #text, p{  
    color:rgb(205, 191, 242)  
}
```

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(205, 191, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 191, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 27.725, 302.271 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(205, 191, 242) }
```

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

```
.border{ border-color:rgb(205, 191, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 191, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 191, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 191, 242);  
box-shadow:4px 4px 4px 4px rgb(205, 191,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 27.725, 302.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 191, 242) }
```

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

```
.background{ background-color: rgb(205,  
191, 242) }
```

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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