

Converting Colors

CIELCh(80, 25.598, 302.244)

Have a look what the booklet for
CIELCh(80, 25.598, 302.244)
contains.

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Color

CIELCh(80, 25.550, 302.235)

Conversions

Conversions Part 1

Format	Color
Hex	CDC0EF
RGB	205, 192, 239
RGB Percent	80%, 75%, 94%
CMY	0.1975, 0.2484, 0.0642
CMYK	0.14, 0.20, 0.00, 0.06
HSL	257°, 59%, 84%
HSV	257°, 20%, 94%
XYZ	59.3741, 56.6813, 89.1855
YIQ	201.2450, -7.3390, 17.3730

Conversions

Conversions Part 2

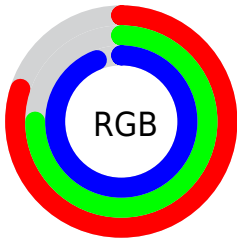
Format	Color
R _Y B	205, 192, 239
Decimal	13484271
CIE Lab	80.00, 13.63, -21.61
CIE LCh	80, 25.550, 302.235
Yxy	56.6813, 0.2893, 0.2762
Android (android.graphics.Color)	4291674351 (0xFFCDC0EF)
YUV	201.2450, 18.6132, 3.2931
Hunter-Lab	75.2870, 9.0194, -17.5345

Details

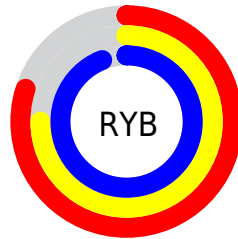
The CIELCh color `80, 25.550, 302.235` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `92, 24.562, 119.729`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 4.358, 324.523`, and `60, 25.263, 301.622` is the 20% darker color. If you saturate the color by 10%, you get `73, 39.221, 303.044`, and if you desaturate by 10%, it is `87, 12.348, 301.518`.

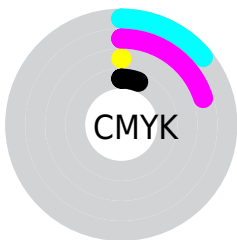
Distribution



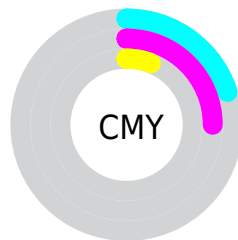
- Red (80%)
- Green (75%)
- Blue (94%)



- Red (80%)
- Yellow (75%)
- Blue (94%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)





- Cyan (20%)
- Magenta (25%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 25.550, 302.235 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, 25.550, 302.235 by changing the saturation by 10% instead.


 80, 25.550,
302.235


 80, 25.550,
302.235


 100, 25.550,
302.235


 70, 25.550,
302.235

 60, 25.550,
302.235

 50, 25.550,
302.235

 40, 25.550,
302.235

 30, 25.550,
302.235

 20, 25.550,
302.235

 10, 25.550,

302.235

0, 25.550, 302.235

80, 25.550,
302.235

80, 25.550,
302.235

73, 39.221,
303.044

87, 12.348,
301.518

66, 53.326,
303.946

95, 0.379, 121.018

58, 67.747,
304.923

100, 8.286,
109.548

52, 82.209,
305.931

45, 96.162,
306.885

■ 40, 108.634,
307.643

■ 36, 118.234,
308.013

■ 33, 124.051,
307.901

■ 33, 124.209,
307.898

Harmonies

Complementary

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



80, 25.550, 302.235



92, 24.562, 119.729

Rectangle

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



80, 25.550, 302.235



80, 25.550, 352.235



80, 25.550, 122.235



80, 25.550, 172.235

Sweetspot

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



80, 25.548, 302.234



95, 8.020, 301.277



88, 13.094, 228.881



50, 5.325, 301.319



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, 25.548, 302.234



82, 33.127, 302.578



82, 27.983, 318.660



46, 7.266, 301.504



24, 101.854, 308.038



4, 38.685, 305.346

Inverse Universe

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



83, 24.638, 334.697



85, 31.729, 335.025



91, 27.671, 136.862



47, 7.095, 333.958



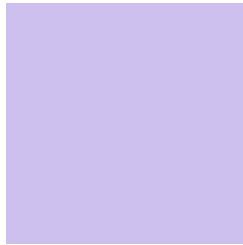
41, 73.245, 343.179



9, 32.834, 340.562

Previews

White Background



This preview shows how the CIELCh color 80, 25.550, 302.235 looks on a white background.

Color Contrast Check

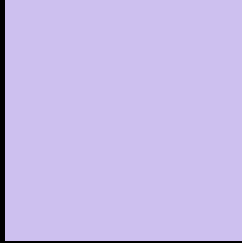
Large Text (above 18pt) WCAG AA × Fail

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, 25.550, 302.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

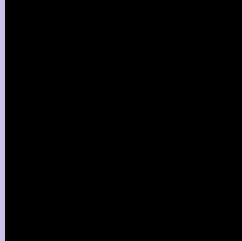
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 25.550, 302.235

Background



This preview shows how black text looks on a background with the CIELCh color 80, 25.550, 302.235.

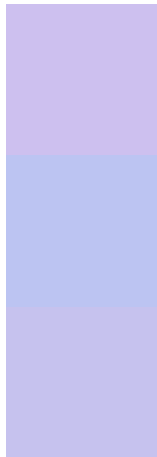


This preview shows how white text looks on a background with the CIELCh color 80, 25.550, 302.235.

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, 25.550, 302.235

Protanopia

80, 24.601, 286.225

Deuteranopia

80, 23.549, 295.505



Tritanopia
80, 8.678, 300.389

Trichromacy



Original Color
80, 25.550, 302.235

Protanomaly
80, 25.089, 292.388

Deuteranomaly
80, 24.190, 297.863

Tritanomaly
80, 15.255, 302.048

Monochromacy



Original Color
80, 25.550, 302.235

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 9.186, 299.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 25.550, 302.235 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, 192, 239)` looks like.

```
.text, #text, p{  
    color:rgb(205, 192, 239)  
}
```

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, 192, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 192, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 25.550, 302.235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

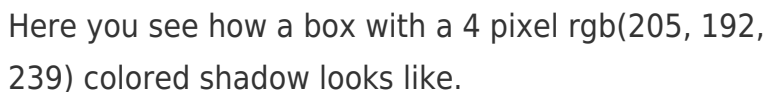
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 192, 239) }
```

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

```
.border{ border-color:rgb(205, 192, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 192, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 192, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 192, 239);  
box-shadow:4px 4px 4px 4px rgb(205, 192,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 25.550, 302.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 192, 239) }
```

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

```
.background{ background-color: rgb(205,  
192, 239) }
```

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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