

Converting Colors

CIELCh(80, 25.086, 298.459)

Have a look what the booklet for
CIELCh(80, 25.086, 298.459)
contains.

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Color

CIELCh(80, 24.756, 298.551)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C9C1EF |
| RGB | 201, 193, 239 |
| RGB Percent | 79%, 76%, 94% |
| CMY | 0.2124, 0.2438, 0.0634 |
| CMYK | 0.16, 0.19, 0.00, 0.06 |
| HSL | 250°, 59%, 85% |
| HSV | 250°, 19%, 94% |
| XYZ | 58.6286, 56.6813, 89.3766 |
| YIQ | 200.6360, -9.9980, 16.0020 |

Conversions

Conversions Part 2

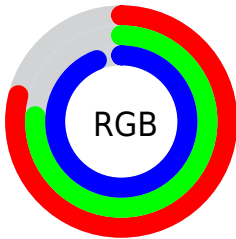
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 201, 193, 239 |
| Decimal | 13222383 |
| CIE _{Lab} | 80.00, 11.83, -21.75 |
| CIE _{LCh} | 80, 24.756, 298.551 |
| Y _{xy} | 56.6813, 0.2864, 0.2769 |
| Android (android.graphics.Color) | 4291412463 (0xFFC9C1EF) |
| YUV | 200.6360, 18.9135, 0.3192 |
| Hunter-Lab | 75.2870, 7.2521, -17.6850 |

Details

The CIELCh color `80, 24.756, 298.551` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 23.728, 115.598`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.736, 324.489`, and `60, 24.496, 298.533` is the 20% darker color. If you saturate the color by 10%, you get `73, 38.356, 299.552`, and if you desaturate by 10%, it is `87, 11.673, 297.680`.

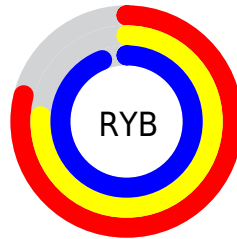
Distribution



Red (79%)

Green (76%)

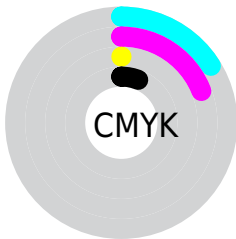
Blue (94%)



Red (79%)

Yellow (76%)

Blue (94%)

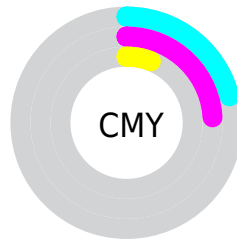


Cyan (16%)

Magenta (19%)

Yellow (0%)

Black (6%)



Cyan (21%)


Magenta (24%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 24.756, 298.551 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, 24.756, 298.551 by changing the saturation by 10% instead.


 80, 24.756,
298.551


 80, 24.756,
298.551


 100, 24.756,
298.551


 70, 24.756,
298.551

 60, 24.756,
298.551

 50, 24.756,
298.551

 40, 24.756,
298.551

 30, 24.756,
298.551

 20, 24.756,
298.551

 10, 24.756,

298.551

■ 0, 24.756, 298.551

■ 80, 24.756,
298.551

■ 80, 24.756,
298.551

■ 73, 38.356,
299.552

■ 87, 11.673,
297.680

■ 65, 52.469,
300.695

■ 95, 0.907, 116.934

■ 58, 67.019,
301.968

■ 100, 8.187,
109.555

■ 51, 81.785,
303.334

■ 44, 96.249,
304.701

■ 38, 109.389,
305.902

■ 34, 119.607,
306.697

■ 31, 125.622,
306.940

■ 31, 125.993,
306.957

Harmonies

Complementary

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



80, 24.756, 298.551



93, 23.728, 115.598

Rectangle

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



80, 24.756, 298.551



80, 24.756, 348.551



80, 24.756, 118.551



80, 24.756, 168.551

Sweetspot

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



80, 24.754, 298.550



95, 7.933, 297.425



89, 13.354, 216.101



50, 5.268, 297.476



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, 24.754, 298.550



82, 31.414, 298.917



82, 26.726, 315.485



46, 7.189, 297.698



23, 103.296, 307.054



3, 38.300, 302.780

Inverse Universe

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



83, 25.911, 330.815



86, 32.658, 331.064



91, 26.288, 133.810



47, 7.632, 330.185



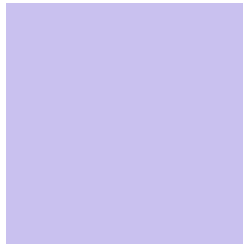
42, 78.860, 336.601



9, 35.066, 335.244

Previews

White Background



This preview shows how the CIELCh color 80, 24.756, 298.551 looks on a white background.

Color Contrast Check

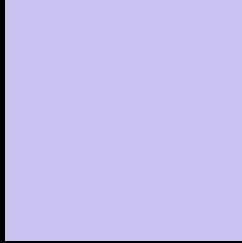
Large Text (above 18pt) WCAG AA × Fail

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, 24.756, 298.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

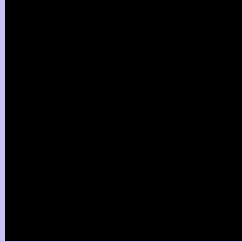
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 24.756, 298.551

Background



This preview shows how black text looks on a background with the CIELCh color 80, 24.756, 298.551.



This preview shows how white text looks on a background with the CIELCh color 80, 24.756, 298.551.

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](#).

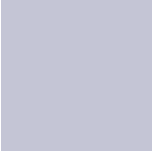
Dichromacy



Original Color
80, 24.756, 298.551

Protanopia
80, 24.073, 286.031

Deuteranopia
80, 24.080, 295.470



Tritanopia
80, 8.535, 288.572

Trichromacy



Original Color
80, 24.756, 298.551

Protanomaly
80, 24.001, 290.711

Deuteranomaly
80, 24.105, 296.265

Tritanomaly
80, 14.470, 295.593

Monochromacy



Original Color
80, 24.756, 298.551

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 9.143, 297.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 24.756, 298.551 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(201, 193, 239)` looks like.

```
.text, #text, p{  
    color:rgb(201, 193, 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(201, 193, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 193, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 24.756, 298.551 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(201, 193, 239) }
```

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

```
.border{ border-color:rgb(201, 193, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 193, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 193, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 193, 239); box-shadow:4px 4px 4px 4px rgb(201, 193, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 24.756, 298.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 193, 239) }
```

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

```
.background{ background-color: rgb(201,  
193, 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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