

Converting Colors

CIELCh(80, 19.938, 298.807)

Have a look what the booklet for
CIELCh(80, 19.938, 298.807)
contains.

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Color

CIELCh(80, 19.938, 298.807)

Conversions

Conversions Part 1

Format	Color
Hex	C9C2E7
RGB	201, 194, 231
RGB Percent	79%, 76%, 91%
CMY	0.2123, 0.2397, 0.0947
CMYK	0.13, 0.16, 0.00, 0.09
HSL	251°, 43%, 83%
HSV	251°, 16%, 91%
XYZ	57.7142, 56.6813, 83.3944
YIQ	200.3110, -7.7050, 12.9910

Conversions

Conversions Part 2

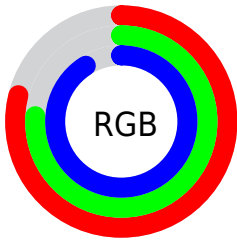
Format	Color
R _Y B	201, 194, 231
Decimal	13222631
CIE Lab	80.00, 9.61, -17.47
CIE LCh	80, 19.938, 298.807
Yxy	56.6813, 0.2918, 0.2866
Android (android.graphics.Color)	4291412711 (0xFFC9C2E7)
YUV	200.3110, 15.1297, 0.6043
Hunter-Lab	75.2870, 5.0839, -12.9739

Details

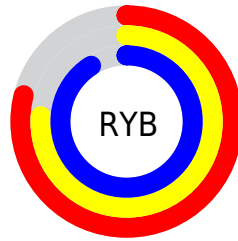
The CIELCh color `80, 19.938, 298.807` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `90, 19.260, 116.457`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.114, 324.451`, and `60, 20.021, 299.513` is the 20% darker color. If you saturate the color by 10%, you get `73, 33.011, 299.731`, and if you desaturate by 10%, it is `87, 7.357, 298.002`.

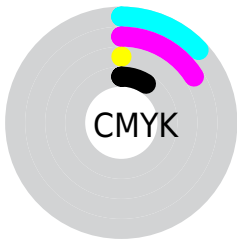
Distribution



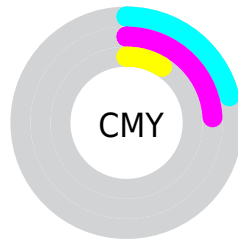
- Red (79%)
- Green (76%)
- Blue (91%)



- Red (79%)
- Yellow (76%)
- Blue (91%)



- Cyan (13%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.938, 298.807 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, 19.938, 298.807 by changing the saturation by 10% instead.

■ 80, 19.938,
298.807

■ 80, 19.938,
298.807

■ 100, 19.938,
298.807

■ 70, 19.938,
298.807

■ 60, 19.938,
298.807

■ 50, 19.938,
298.807

■ 40, 19.938,
298.807

■ 30, 19.938,
298.807

■ 20, 19.938,
298.807

■ 10, 19.938,

298.807

0, 19.938, 298.807

80, 19.938,
298.807

80, 19.938,
298.807

73, 33.011,
299.731

87, 7.357, 298.002

65, 46.581,
300.789

94, 4.746, 117.313

99, 12.218,
109.254

58, 60.598,
301.974

51, 74.899,
303.258

45, 89.097,
304.573

■ 39, 102.391,
305.783

■ 34, 113.427,
306.676

■ 31, 120.580,
307.022

■ 30, 122.579,
307.079

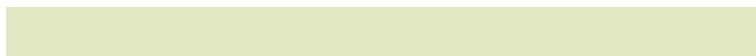
Harmonies

Complementary

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



80, 19.938, 298.807



90, 19.260, 116.457

Rectangle

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



80, 19.938, 298.807



80, 19.938, 348.807



80, 19.938, 118.807



80, 19.938, 168.807

Sweetspot

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



80, 19.936, 298.805



96, 6.609, 297.928



87, 10.812, 218.021



51, 4.514, 297.980



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, 19.936, 298.805



85, 25.777, 299.077



81, 21.652, 315.874



44, 6.945, 298.264



22, 100.961, 307.185



3, 34.086, 301.272

Inverse Universe

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



82, 20.728, 331.137



88, 26.673, 331.339



89, 21.370, 134.500



45, 7.285, 330.707



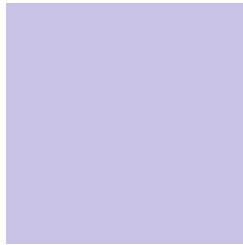
41, 76.366, 337.473



8, 32.754, 335.794

Previews

White Background



This preview shows how the CIELCh color 80, 19.938, 298.807 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, 19.938, 298.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

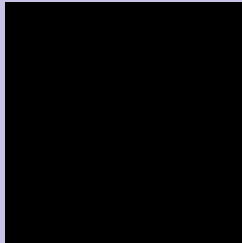
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.938, 298.807

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.938, 298.807.



This preview shows how white text looks on a background with the CIELCh color 80, 19.938, 298.807.

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, 19.938, 298.807

Protanopia

80, 19.246, 285.861

Deuteranopia

80, 19.984, 299.786



Tritanopia
80, 8.546, 293.323

Trichromacy



Original Color
80, 19.938, 298.807

Protanomaly
80, 19.193, 290.865

Deuteranomaly
80, 19.984, 299.786

Tritanomaly
80, 12.332, 296.159

Monochromacy



Original Color
80, 19.938, 298.807

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 6.975, 296.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.938, 298.807 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, 194, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 194, 231)  
}
```

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, 194, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 194, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.938, 298.807 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, 194, 231) }
```

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

```
.border{ border-color:rgb(201, 194, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 194, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 194, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 194, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 194,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.938, 298.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 194, 231) }
```

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

```
.background{ background-color: rgb(201,  
194, 231) }
```

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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