

Converting Colors

CIELCh(80, 21.789, 299.124)

Have a look what the booklet for
CIELCh(80, 21.789, 299.124)
contains.

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Color

CIELCh(80, 22.114, 299.153)

Conversions

Conversions Part 1

Format	Color
Hex	C9C1EA
RGB	201, 193, 234
RGB Percent	79%, 76%, 92%
CMY	0.2106, 0.2420, 0.0812
CMYK	0.14, 0.18, 0.00, 0.08
HSL	252°, 50%, 84%
HSV	252°, 18%, 92%
XYZ	58.1920, 56.6813, 85.9383
YIQ	200.0660, -8.3930, 14.4470

Conversions

Conversions Part 2

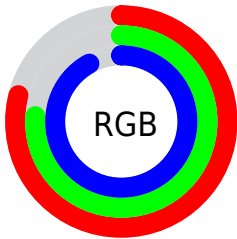
Format	Color
R_{YB}	201, 193, 234
Decimal	13222378
CIE _{Lab}	80.00, 10.77, -19.31
CIE _{LCh}	80, 22.114, 299.153
Yxy	56.6813, 0.2898, 0.2823
Android (android.graphics.Color)	4291412458 (0xFFC9C1EA)
YUV	200.0660, 16.7295, 0.8191
Hunter-Lab	75.2870, 6.2169, -14.9772

Details

The CIELCh color `80, 22.114, 299.153` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `91, 21.295, 116.596`, 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, 21.699, 299.076` is the 20% darker color. If you saturate the color by 10%, you get `73, 35.424, 300.086`, and if you desaturate by 10%, it is `87, 9.302, 298.339`.

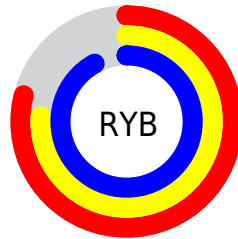
Distribution



Red (79%)

Green (76%)

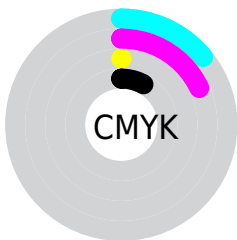
Blue (92%)



Red (79%)

Yellow (76%)

Blue (92%)

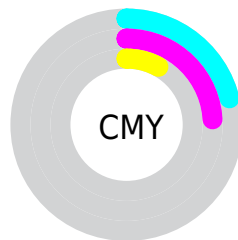


Cyan (14%)

Magenta (18%)

Yellow (0%)

Black (8%)



Cyan (21%)


Magenta (24%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 22.114, 299.153 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, 22.114, 299.153 by changing the saturation by 10% instead.


 80, 22.114,
299.153


 80, 22.114,
299.153


 100, 22.114,
299.153


 70, 22.114,
299.153

 60, 22.114,
299.153

 50, 22.114,
299.153

 40, 22.114,
299.153

 30, 22.114,
299.153

 20, 22.114,
299.153

 10, 22.114,

299.153

0, 22.114, 299.153

80, 22.114,
299.153

80, 22.114,
299.153

73, 35.424,
300.086

87, 9.302, 298.339

65, 49.231,
301.149

95, 3.024, 117.644

100, 10.480,
109.384

58, 63.469,
302.335

51, 77.946,
303.610

45, 92.216,
304.895

■ 39, 105.392,
306.046

■ 34, 116.031,
306.844

■ 31, 122.620,
307.085

■ 31, 123.878,
307.120

Harmonies

Complementary

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



80, 22.114, 299.153



91, 21.295, 116.596

Rectangle

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



80, 22.114, 299.153



80, 22.114, 349.153



80, 22.114, 119.153



80, 22.114, 169.153

Sweetspot

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



80, 22.112, 299.151



96, 6.612, 298.155



88, 11.899, 218.073



51, 4.516, 298.207



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, 22.112, 299.151



84, 28.615, 299.473



82, 23.970, 315.940



45, 7.076, 298.490



23, 101.965, 307.227



3, 36.226, 302.327

Inverse Universe

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



83, 22.831, 331.448



87, 29.371, 331.686



90, 23.631, 134.427



46, 7.387, 330.919



41, 76.818, 337.844



9, 33.609, 336.177

Previews

White Background



This preview shows how the CIELCh color 80, 22.114, 299.153 looks on a white background.

Color Contrast Check

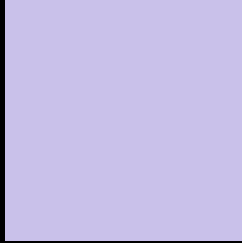
Large Text (above 18pt) WCAG AA × Fail

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, 22.114, 299.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

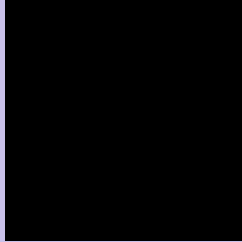
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 22.114, 299.153

Background



This preview shows how black text looks on a background with the CIELCh color 80, 22.114, 299.153.



This preview shows how white text looks on a background with the CIELCh color 80, 22.114, 299.153.

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, 22.114, 299.153

Protanopia

80, 21.386, 285.810

Deuteranopia

80, 21.485, 297.488



Tritanopia
80, 8.546, 293.323

Trichromacy



Original Color
80, 22.114, 299.153

Protanomaly
80, 21.323, 290.258

Deuteranomaly
80, 21.485, 297.488

Tritanomaly
80, 13.394, 295.844

Monochromacy



Original Color
80, 22.114, 299.153

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 7.505, 296.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 22.114, 299.153 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(201, 193, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 193, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 22.114, 299.153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

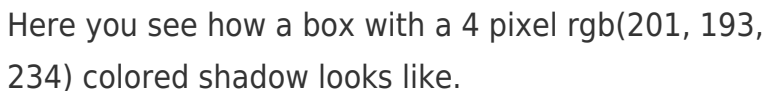
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 193, 234) }
```

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

```
.border{ border-color:rgb(201, 193, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 193, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 193, 234);  
box-shadow:4px 4px 4px 4px rgb(201, 193,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 22.114, 299.153 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, 234) }
```

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

```
.background{ background-color: rgb(201,  
193, 234) }
```

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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