

Converting Colors

CIELCh(80, 17.843, 299.507)

Have a look what the booklet for
CIELCh(80, 17.843, 299.507)
contains.

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Color

CIELCh(80, 17.826, 299.516)

Conversions

Conversions Part 1

Format	Color
Hex	C9C2E3
RGB	201, 194, 227
RGB Percent	79%, 76%, 89%
CMY	0.2109, 0.2384, 0.1090
CMYK	0.11, 0.15, 0.00, 0.11
HSL	253°, 37%, 83%
HSV	253°, 15%, 89%
XYZ	57.3774, 56.6813, 80.7458
YIQ	199.8550, -6.4210, 11.7470

Conversions

Conversions Part 2

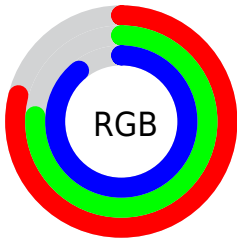
Format	Color
R _Y B	201, 194, 227
Decimal	13222627
CIE Lab	80.00, 8.78, -15.51
CIE LCh	80, 17.826, 299.516
Yxy	56.6813, 0.2945, 0.2910
Android (android.graphics.Color)	4291412707 (0xFFC9C2E3)
YUV	199.8550, 13.3825, 1.0042
Hunter-Lab	75.2870, 4.2855, -10.8880

Details

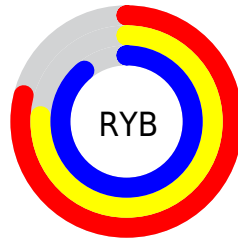
The CIELCh color `80, 17.826, 299.516` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 17.286, 117.490`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.114, 324.451`, and `60, 18.344, 300.061` is the 20% darker color. If you saturate the color by 10%, you get `73, 30.673, 300.378`, and if you desaturate by 10%, it is `87, 5.455, 298.761`.

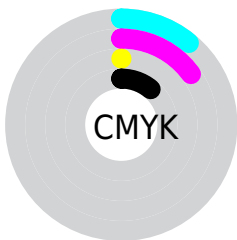
Distribution



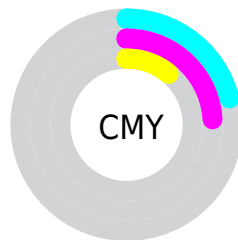
- Red (79%)
- Green (76%)
- Blue (89%)



- Red (79%)
- Yellow (76%)
- Blue (89%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 17.826, 299.516 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, 17.826, 299.516 by changing the saturation by 10% instead.

■ 80, 17.826,
299.516

■ 80, 17.826,
299.516

■ 100, 17.826,
299.516

■ 70, 17.826,
299.516

■ 60, 17.826,
299.516

■ 50, 17.826,
299.516

■ 40, 17.826,
299.516

■ 30, 17.826,
299.516

■ 20, 17.826,
299.516

■ 10, 17.826,

299.516

0, 17.826, 299.516

80, 17.826,
299.516

80, 17.826,
299.516

73, 30.673,
300.378

87, 5.455, 298.761

66, 44.000,
301.363

94, 6.453, 118.119

59, 57.761,
302.464

99, 14.059,
109.233

52, 71.811,
303.658

99, 14.058,
109.115

45, 85.803,
304.884

■ 39, 99.030,
306.022

■ 35, 110.274,
306.882

■ 31, 117.981,
307.239

■ 30, 120.772,
307.271

Harmonies

Complementary

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



80, 17.826, 299.516



89, 17.286, 117.490

Rectangle

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



80, 17.826, 299.516



80, 17.826, 349.516



80, 17.826, 119.516



80, 17.826, 169.516

Sweetspot

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



80, 17.824, 299.514



97, 5.291, 298.726



86, 9.631, 220.008



51, 3.764, 298.779



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, 17.824, 299.514



87, 23.019, 299.726



81, 19.425, 316.339



44, 6.960, 299.120



22, 100.670, 307.381



3, 34.150, 301.817

Inverse Universe

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



82, 18.238, 331.860



89, 23.466, 332.033



88, 19.207, 135.099



45, 7.167, 331.522



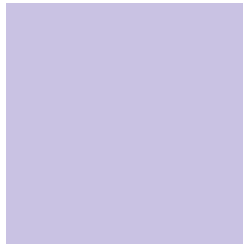
40, 75.078, 338.869



8, 32.268, 336.903

Previews

White Background



This preview shows how the CIELCh color 80, 17.826, 299.516 looks on a white background.

Color Contrast Check

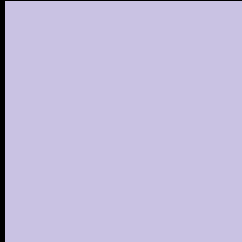
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 17.826, 299.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

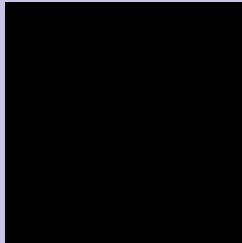
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 17.826, 299.516

Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.826, 299.516.



This preview shows how white text looks on a background with the CIELCh color 80, 17.826, 299.516.

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, 17.826, 299.516

Protanopia

80, 17.081, 287.122

Deuteranopia

80, 18.613, 303.570



Tritanopia
80, 8.042, 295.972

Trichromacy



Original Color
80, 17.826, 299.516

Protanomaly
80, 17.067, 291.691

Deuteranomaly
80, 18.543, 302.516

Tritanomaly
80, 11.843, 298.040

Monochromacy



Original Color
80, 17.826, 299.516

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 6.446, 297.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 17.826, 299.516 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(201, 194, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 194, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 17.826, 299.516 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, 227) }
```

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

```
.border{ border-color:rgb(201, 194, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 194, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 194, 227);  
box-shadow:4px 4px 4px 4px rgb(201, 194,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 17.826, 299.516 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, 227) }
```

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

```
.background{ background-color: rgb(201,  
194, 227) }
```

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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