

Converting Colors

CIELCh(80, 19.752, 304.529)

Have a look what the booklet for
CIELCh(80, 19.752, 304.529)
contains.

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Color

CIELCh(80, 19.727, 303.968)

Conversions

Conversions Part 1

Format	Color
Hex	CDC1E5
RGB	205, 193, 229
RGB Percent	80%, 76%, 90%
CMY	0.1967, 0.2437, 0.1026
CMYK	0.10, 0.16, 0.00, 0.10
HSL	260°, 41%, 83%
HSV	260°, 16%, 90%
XYZ	58.2946, 56.6813, 81.8859
YIQ	200.6920, -4.4040, 13.7400

Conversions

Conversions Part 2

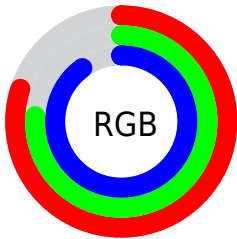
Format	Color
R _Y B	205, 193, 229
Decimal	13484517
CIE _{Lab}	80.00, 11.02, -16.36
CIE _{LCh}	80, 19.727, 303.968
Y _{xy}	56.6813, 0.2961, 0.2879
Android (android.graphics.Color)	4291674597 (0xFFCDC1E5)
Y _{UV}	200.6920, 13.9558, 3.7781
Hunter-Lab	75.2870, 6.4601, -11.7859

Details

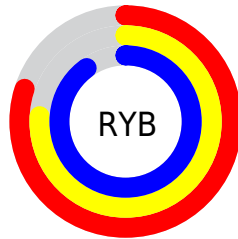
The CIELCh color `80, 19.727, 303.968` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 19.161, 122.187`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.736, 324.489`, and `60, 19.804, 304.893` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.818, 304.654`, and if you desaturate by 10%, it is `87, 7.065, 303.351`.

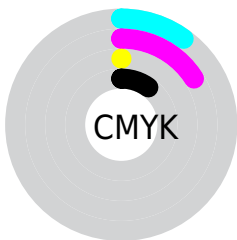
Distribution



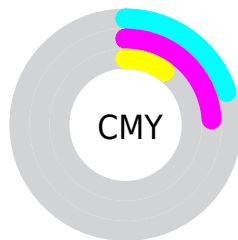
- Red (80%)
- Green (76%)
- Blue (90%)



- Red (80%)
- Yellow (76%)
- Blue (90%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (10%)





- Cyan (20%)
- Magenta (24%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 19.727, 303.968 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, 19.727, 303.968 by changing the saturation by 10% instead.


 80, 19.727,
303.968


 80, 19.727,
303.968


 100, 19.727,
303.968


 70, 19.727,
303.968


 60, 19.727,
303.968

 50, 19.727,
303.968

 40, 19.727,
303.968

 30, 19.727,
303.968

 20, 19.727,
303.968

 10, 19.727,

303.968

■ 0, 19.727, 303.968

■ 80, 19.727,
303.968

■ 80, 19.727,
303.968

■ 73, 32.818,
304.654

■ 87, 7.065, 303.351

■ 66, 46.310,
305.414

■ 94, 5.159, 122.839

■ 59, 60.103,
306.234

■ 99, 13.347,
115.985

■ 53, 73.982,
307.079

■ 99, 13.234,
109.177

■ 47, 87.523,
307.886

■ 41, 99.980,
308.545

■ 37, 110.232,
308.900

■ 33, 117.042,
308.783

■ 32, 119.152,
308.653

Harmonies

Complementary

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



80, 19.727, 303.968



89, 19.161, 122.187

Rectangle

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



80, 19.727, 303.968



80, 19.727, 353.968



80, 19.727, 123.968



80, 19.727, 173.968

Sweetspot

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



80, 19.725, 303.966



96, 6.726, 303.310



85, 10.192, 235.081



51, 4.594, 303.352



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, 19.725, 303.966



86, 26.166, 304.191



81, 21.831, 320.006



44, 7.064, 303.573



24, 98.749, 308.809



3, 34.638, 305.267

Inverse Universe

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



82, 18.246, 336.779



88, 24.109, 337.044



88, 21.676, 138.542



45, 6.574, 336.297



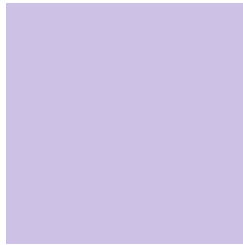
39, 69.246, 347.346



7, 29.932, 343.535

Previews

White Background



This preview shows how the CIELCh color 80, 19.727, 303.968 looks on a white background.

Color Contrast Check

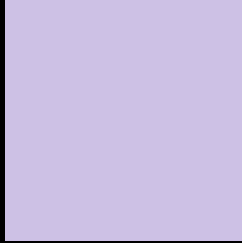
Large Text (above 18pt) WCAG AA × Fail

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, 19.727, 303.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

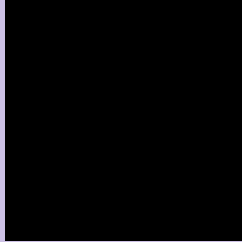
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.727, 303.968

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.727, 303.968.



This preview shows how white text looks on a background with the CIELCh color 80, 19.727, 303.968.

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, 19.727, 303.968

Protanopia

80, 18.163, 286.443

Deuteranopia

80, 19.590, 301.981



Tritanopia
80, 8.315, 305.845

Trichromacy



Original Color
80, 19.727, 303.968

Protanomaly
80, 18.704, 293.920

Deuteranomaly
80, 19.655, 302.977

Tritanomaly
80, 12.117, 304.709

Monochromacy



Original Color
80, 19.727, 303.968

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 7.093, 302.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.727, 303.968 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, 193, 229)` looks like.

```
.text, #text, p{  
    color:rgb(205, 193, 229)  
}
```

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, 193, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 193, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.727, 303.968 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, 193, 229) }
```

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

```
.border{ border-color:rgb(205, 193, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 193, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 193, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 193, 229);  
box-shadow:4px 4px 4px 4px rgb(205, 193,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.727, 303.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 193, 229) }
```

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

```
.background{ background-color: rgb(205,  
193, 229) }
```

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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