

Converting Colors

CIELCh(81, 63.142, 300.684)

Have a look what the booklet for
CIELCh(81, 63.142, 300.684)
contains.

CIELCh(79, 38.159, 303.176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 38.159, 303.176)

Conversions

Conversions Part 1

Format	Color
Hex	CDB9FF
RGB	205, 185, 255
RGB Percent	80%, 73%, 100%
CMY	0.1959, 0.2743, 0.0000
CMYK	0.20, 0.27, 0.00, 0.00
HSL	257°, 100%, 86%
HSV	257°, 27%, 100%
XYZ	60.6088, 54.9284, 102.0599
YIQ	198.9600, -10.5500, 26.0100

Conversions

Conversions Part 2

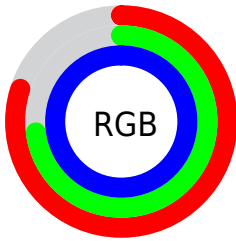
Format	Color
R _Y B	205, 185, 255
Decimal	13482495
CIE Lab	79.00, 20.88, -31.94
CIE LCh	79, 38.159, 303.176
Yxy	54.9284, 0.2785, 0.2524
Android (android.graphics.Color)	4291672575 (0xFFCDB9FF)
YUV	198.9600, 27.6277, 5.2971
Hunter-Lab	74.1137, 16.2751, -29.7670

Details

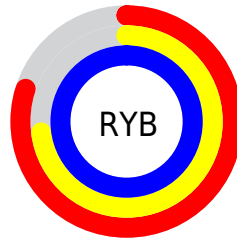
The CIELCh color **79, 38.159, 303.176** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97, 36.050, 119.628**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 8.725, 324.710**, and **59, 38.047, 303.204** is the 20% darker color. If you saturate the color by 10%, you get **71, 52.924, 304.049**, and if you desaturate by 10%, it is **87, 23.799, 302.405**.

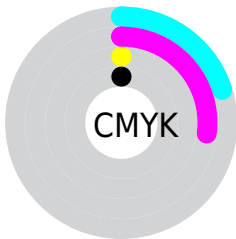
Distribution



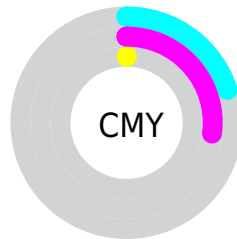
- Red (80%)
- Green (73%)
- Blue (100%)



- Red (80%)
- Yellow (73%)
- Blue (100%)



- Cyan (20%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (27%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 38.159, 303.176 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 79, 38.159, 303.176 by changing the saturation by 10% instead.


 79, 38.159,
303.176

 79, 38.159,
303.176


 100, 38.159,
303.176


 69, 38.159,
303.176


 99, 38.159,
303.176

 59, 38.159,
303.176

 49, 38.159,
303.176

 39, 38.159,
303.176

 29, 38.159,
303.176

 19, 38.159,
303.176

 9, 38.159, 303.176

0, 38.159, 303.176

79, 38.159,
303.176

79, 38.159,
303.176

71, 52.924,
304.049

87, 23.799,
302.405

64, 68.078,
304.992

94, 9.967, 301.718

57, 83.339,
305.974

100, 0.012,
296.813

50, 98.193,
306.919

44, 111.712,
307.698

39, 122.503,
308.127

■ 36,129.178,
308.035

■ 35,130.463,
307.979

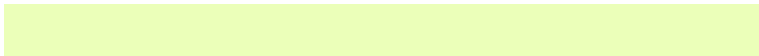
Harmonies

Complementary

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



79, 38.159, 303.176



97, 36.050, 119.628

Rectangle

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



79, 38.159, 303.176



79, 38.159, 353.176



79, 38.159, 123.176



79, 38.159, 173.176

Sweetspot

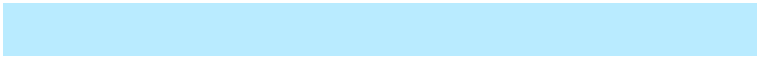
The Sweet Spot groups the original color and five complimentary colors.



79, 38.129, 303.182



94, 10.742, 301.755



90, 18.794, 231.946



49, 7.654, 301.854



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 38.129, 303.182



75, 46.317, 303.654



82, 41.482, 319.525



49, 7.654, 301.854



25, 104.870, 308.127



4, 44.727, 307.382

Inverse Universe

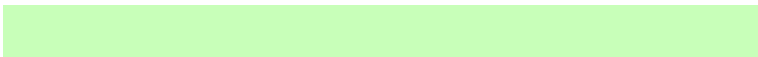
The Inverse Universe completely reimagines the original color for something new.



83, 36.032, 335.678



80, 43.284, 336.121



95, 40.907, 136.896



50, 7.414, 334.339



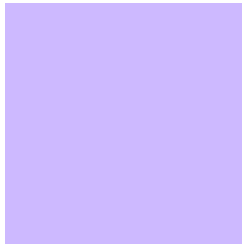
43, 74.995, 343.910



11, 35.315, 341.505

Previews

White Background



This preview shows how the CIELCh color 79, 38.159, 303.176 looks on a white background.

Color Contrast Check

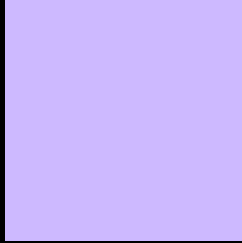
Large Text (above 18pt) WCAG AA × Fail

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 79, 38.159, 303.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

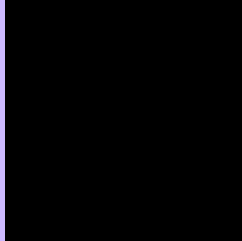
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 38.159, 303.176

Background



This preview shows how black text looks on a background with the CIELCh color 79, 38.159, 303.176.

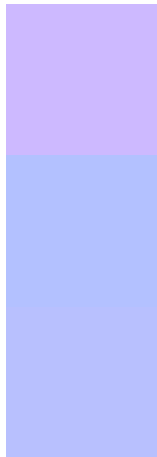


This preview shows how white text looks on a background with the CIELCh color 79, 38.159, 303.176.

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

79, 38.159, 303.176

Protanopia

79, 33.280, 285.550

Deuteranopia

79, 33.165, 288.735



Tritanopia
79, 8.109, 298.494

Trichromacy



Original Color
79, 38.159, 303.176

Protanomaly
79, 34.768, 292.198

Deuteranomaly
79, 34.828, 294.810

Tritanomaly
79, 19.041, 301.221

Monochromacy



Original Color
79, 38.159, 303.176

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 13.616, 301.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 38.159, 303.176 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 185, 255)  
}
```

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, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 185, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 38.159, 303.176 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, 185, 255) }
```

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

```
.border{ border-color:rgb(205, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 185,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 38.159, 303.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 185, 255) }
```

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

```
.background{ background-color: rgb(205,  
185, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor