

Converting Colors

CIELCh(90, 22.680, 319.342)

Have a look what the booklet for
CIELCh(90, 22.680, 319.342)
contains.

CIELCh(90, 23.035, 319.330)	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(90, 23.035, 319.330)

Conversions

Conversions Part 1

Format	Color
Hex	F7D8FF
RGB	247, 216, 255
RGB Percent	97%, 85%, 100%
CMY	0.0303, 0.1519, 0.0000
CMYK	0.03, 0.15, 0.00, 0.00
HSL	288°, 100%, 92%
HSV	288°, 15%, 100%
XYZ	81.1661, 76.3034, 105.2822
YIQ	229.7150, 5.9570, 18.7010

Conversions

Conversions Part 2

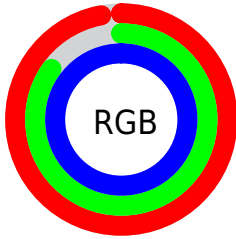
Format	Color
R_{YB}	247, 216, 255
Decimal	16242943
CIE _{Lab}	90.00, 17.47, -15.01
CIE _{LCh}	90, 23.035, 319.330
Yxy	76.3034, 0.3089, 0.2904
Android (android.graphics.Color)	4294433023 (0xFFFF7D8FF)
YUV	229.7150, 12.4655, 15.1589
Hunter-Lab	87.3518, 12.9941, -10.3140

Details

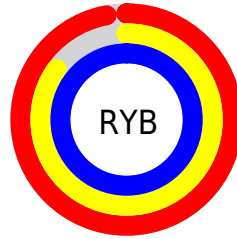
The CIELCh color **90, 23.035, 319.330** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **97, 22.737, 138.095**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 22.905, 319.133** is the 20% darker color. If you saturate the color by 10%, you get **84, 38.220, 319.949**, and if you desaturate by 10%, it is **97, 7.764, 319.021**.

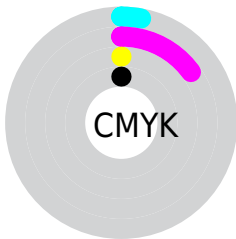
Distribution



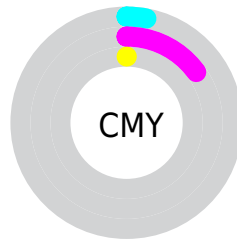
- Red (97%)
- Green (85%)
- Blue (100%)



- Red (97%)
- Yellow (85%)
- Blue (100%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 23.035, 319.330 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 90, 23.035, 319.330 by changing the saturation by 10% instead.


 90, 23.035,
319.330


 90, 23.035,
319.330


 100, 23.035,
319.330


 80, 23.035,
319.330

 70, 23.035,
319.330

 60, 23.035,
319.330

 50, 23.035,
319.330

 40, 23.035,
319.330

 30, 23.035,
319.330

 20, 23.035,

319.330

■ 10, 23.035,
319.330

■ 0, 23.035, 319.330

■ 90, 23.035,
319.330

■ 90, 23.035,
319.330

■ 84, 38.220,
319.949

■ 97, 7.764, 319.021

■ 77, 53.469,
320.388

100, 0.012,
296.813

■ 72, 68.324,
320.786

■ 66, 82.308,
321.111

■ 62, 94.794,
321.324

■ 58, 105.066,
321.377

■ 55, 112.466,
321.224

■ 53, 116.664,
320.832

■ 52, 117.831,
320.579

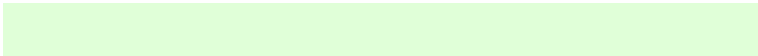
Harmonies

Complementary

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



90, 23.035, 319.330



97, 22.737, 138.095

Rectangle

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



90, 23.035, 319.330



90, 23.035, 9.330



90, 23.035, 139.330



90, 23.035, 189.330

Sweetspot

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



90, 22.911, 319.492



97, 7.477, 319.011



89, 16.282, 282.336



51, 5.104, 319.046



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 22.911, 319.492



88, 27.203, 319.621



90, 19.690, 335.331



50, 8.535, 319.228



39, 94.858, 320.701



10, 43.492, 321.554

Inverse Universe

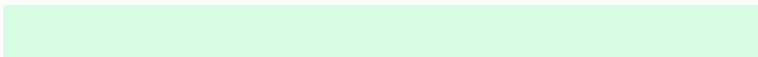
The Inverse Universe completely reimagines the original color for something new.



90, 14.723, 4.745



88, 17.571, 5.074



97, 19.558, 153.184



50, 5.428, 4.112



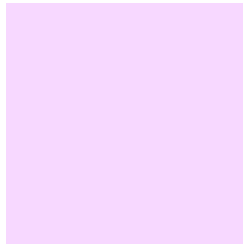
40, 74.964, 29.624



10, 31.986, 18.753

Previews

White Background



This preview shows how the CIELCh color 90, 23.035, 319.330 looks on a white background.

Color Contrast Check

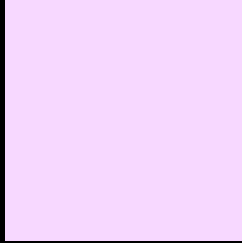
Large Text (above 18pt) WCAG AA × Fail

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 90, 23.035, 319.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

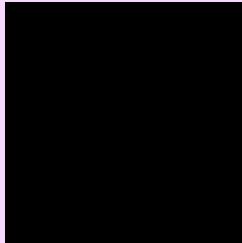
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

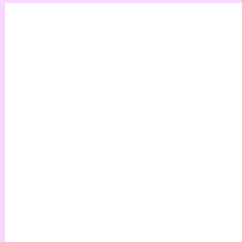
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 23.035, 319.330

Background



This preview shows how black text looks on a background with the CIELCh color 90, 23.035, 319.330.



This preview shows how white text looks on a background with the CIELCh color 90, 23.035, 319.330.

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





Tritanopia
90, 13.202, 335.307

Trichromacy



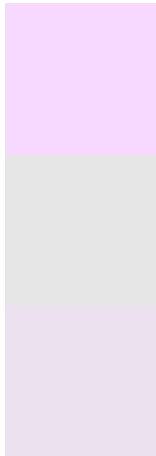
Original Color
90, 23.035, 319.330

Protanomaly
90, 17.500, 301.606

Deuteranomaly
90, 19.685, 313.066

Tritanomaly
90, 16.791, 327.055

Monochromacy



Original Color
90, 23.035, 319.330

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 8.282, 318.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 23.035, 319.330 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(247, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 216, 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(247, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 216, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 23.035, 319.330 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(247, 216, 255) }
```

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

```
.border{ border-color:rgb(247, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 216,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 23.035, 319.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 216, 255) }
```

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

```
.background{ background-color: rgb(247,  
216, 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