

Converting Colors

CIELCh(99, 0.903, 231.933)

Have a look what the booklet for
CIELCh(99, 0.903, 231.933) contains.

CIELCh(99, 1.044, 199.970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(99, 1.044, 199.970)

Conversions

Conversions Part 1

Format	Color
Hex	FAFD FD
RGB	250, 253, 253
RGB Percent	98%, 99%, 99%
CMY	0.0206, 0.0088, 0.0089
CMYK	0.01, 0.00, 0.00, 0.01
HSL	180°, 40%, 99%
HSV	180°, 1%, 99%
XYZ	92.0611, 97.4360, 106.6646
YIQ	252.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

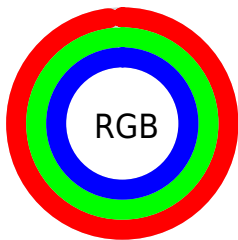
Format	Color
R _Y B	250, 252, 253
Decimal	16449021
CIE Lab	99.00, -0.98, -0.36
CIE LCh	99, 1.044, 199.970
Yxy	97.4360, 0.3108, 0.3290
Android (android.graphics.Color)	4294639101 (0xFFFAFD _{FD})
YUV	252.1030, 0.4422, -1.8443
Hunter-Lab	98.7097, -6.2647, 5.0286

Details

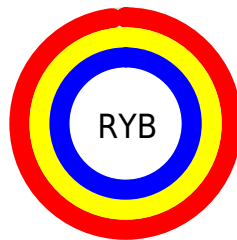
The CIELCh color 99, 1.044, 199.970 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 1.056, 18.742, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 0.730, 200.093 is the 20% darker color. If you saturate the color by 10%, you get 97, 9.621, 198.743, and if you desaturate by 10%, it is 99, 0.792, 17.494.

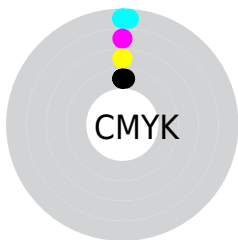
Distribution



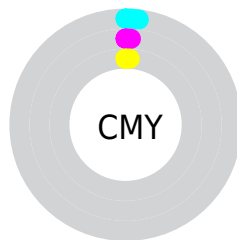
- Red (98%)
- Green (99%)
- Blue (99%)



- Red (98%)
- Yellow (99%)
- Blue (99%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 1.044, 199.970 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 99, 1.044, 199.970 by changing the saturation by 10% instead.

 99, 1.044, 199.970

 99, 1.044, 199.970

 100, 1.044,
199.970

 89, 1.044, 199.970

 79, 1.044, 199.970

 69, 1.044, 199.970

 59, 1.044, 199.970

 49, 1.044, 199.970

 39, 1.044, 199.970

 29, 1.044, 199.970

 19, 1.044, 199.970

 9, 1.044, 199.970

99, 1.044, 199.970	99, 1.044, 199.970
97, 9.621, 198.743	99, 0.792, 17.494
96, 17.681, 198.203	99, 0.793, 16.214
94, 25.084, 197.731	99, 0.794, 14.938
93, 31.683, 197.319	99, 0.796, 13.666
92, 37.347, 196.970	99, 0.798, 12.401
92, 41.968, 196.687	99, 0.801, 11.144
91, 45.486, 196.469	99, 0.804, 9.895
91, 47.898, 196.315	99, 0.807, 8.655
	99, 0.811, 7.427

■ 90, 49.280,
196.219

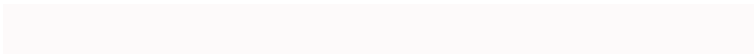
Harmonies

Complementary

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



99, 1.044, 199.970



98, 1.056, 18.742

Rectangle

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



99, 1.044, 199.970



99, 1.044, 249.970



99, 1.044, 19.970



99, 1.044, 69.970

Sweetspot

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



99, 1.045, 199.852

100, 0.012, 296.813



99, 1.846, 144.099



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

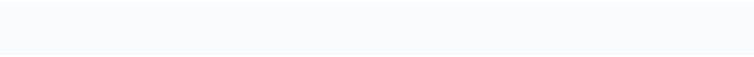
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 1.045, 199.852



100, 0.886, 199.981



99, 0.918, 254.228



53, 0.504, 200.023



70, 40.405, 196.174



24, 18.586, 196.200

Inverse Universe

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



98, 1.056, 18.742



99, 0.895, 18.613



99, 0.904, 72.949



53, 0.509, 18.572



40, 84.165, 39.945



10, 33.356, 27.121

Previews

White Background



This preview shows how the CIE LCh color 99, 1.044, 199.970 looks on a white background.

Color Contrast Check

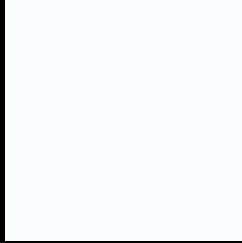
Large Text (above 18pt) WCAG AA × Fail

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 99, 1.044, 199.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

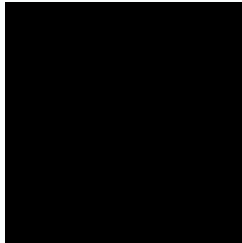
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 1.044, 199.970

Background



This preview shows how black text looks on a background with the CIELCh color 99, 1.044, 199.970.



This preview shows how white text looks on a background with the CIELCh color 99, 1.044, 199.970.

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

99, 1.044, 199.970

Protanopia

99, 1.502, 359.268

Deuteranopia

99, 1.502, 359.268

Tritanopia
99, 1.537, 290.342

Trichromacy

Original Color

99, 1.044, 199.970

Protanomaly

99, 0.352, 17.560

Deuteranomaly

99, 0.352, 17.560

Tritanomaly

99, 1.081, 271.537

Monochromacy

Original Color

99, 1.044, 199.970

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 0.348, 201.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 1.044, 199.970 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(250, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(250, 253, 253)  
}
```

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(250, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 253, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 1.044, 199.970 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(250, 253, 253) }
```

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

```
.border{ border-color:rgb(250, 253, 253) }
```

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

Here you see how a box with a 4 pixel rgb(250, 253, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(250, 253,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 1.044, 199.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 253, 253) }
```

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

```
.background{ background-color: rgb(250,  
253, 253) }
```

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