

Converting Colors

CIELCh(99, 3.771, 199.342)

Have a look what the booklet for
CIELCh(99, 3.771, 199.342) contains.

CIELCh(99, 3.802, 199.337)	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(99, 3.802, 199.337)

Conversions

Conversions Part 1

Format	Color
Hex	F3FEFE
RGB	243, 254, 254
RGB Percent	95%, 100%, 100%
CMY	0.0455, 0.0024, 0.0024
CMYK	0.04, 0.00, 0.00, 0.00
HSL	180°, 90%, 98%
HSV	180°, 4%, 100%
XYZ	90.6138, 97.4360, 108.1250
YIQ	250.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

Format	Color
R_{YB}	243, 249, 254
Decimal	15990526
CIE _{Lab}	99.00, -3.59, -1.26
CIE _{LCh}	99, 3.802, 199.337
Yxy	97.4360, 0.3059, 0.3290
Android (android.graphics.Color)	4294180606 (0xFF3FEFE)
YUV	250.7110, 1.6215, -6.7625
Hunter-Lab	98.7097, -8.8821, 4.1515

Details

The CIELCh color 99, 3.802, 199.337 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 3.909, 19.470, 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, 3.620, 199.277 is the 20% darker color. If you saturate the color by 10%, you get 97, 12.275, 198.652, and if you desaturate by 10%, it is 100, 0.213, 15.570.

Distribution



- Red (95%)
- Green (100%)
- Blue (100%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 3.802, 199.337 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, 3.802, 199.337 by changing the saturation by 10% instead.

 99, 3.802, 199.337

 99, 3.802, 199.337

 100, 3.802,
199.337

 89, 3.802, 199.337

 79, 3.802, 199.337

 69, 3.802, 199.337

 59, 3.802, 199.337

 49, 3.802, 199.337

 39, 3.802, 199.337

 29, 3.802, 199.337

 19, 3.802, 199.337

 9, 3.802, 199.337

99, 3.802, 199.337

99, 3.802, 199.337

97, 12.275,
198.652

100, 0.213, 15.570

100, 0.213, 14.272

96, 20.184,
198.139

100, 0.214, 12.980

95, 27.384,
197.691

100, 0.215, 11.696

93, 33.732,
197.304

100, 0.215, 10.420

100, 0.216, 9.154

93, 39.100,
196.981

100, 0.217, 7.898

92, 43.394,
196.727

100, 0.218, 6.655

100, 0.219, 5.424

91, 46.571,
196.539

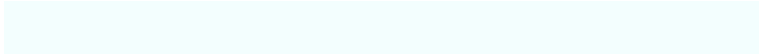
91, 48.652,
196.415

 91, 49.737,
196.348

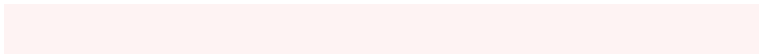
Harmonies

Complementary

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



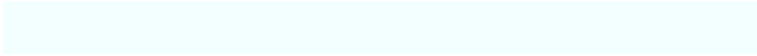
99, 3.802, 199.337



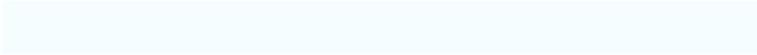
97, 3.909, 19.470

Rectangle

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



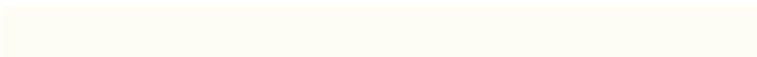
99, 3.802, 199.337



99, 3.802, 249.337



99, 3.802, 19.337



99, 3.802, 69.337

Sweetspot

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



99, 3.803, 199.306



100, 0.886, 200.065



99, 6.801, 143.803



53, 0.504, 200.107



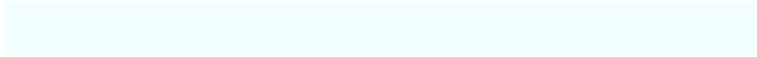
0, 0.000, 0.000



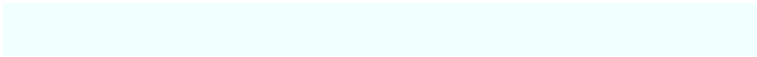
53, 0.007, 296.813

Same Dimension

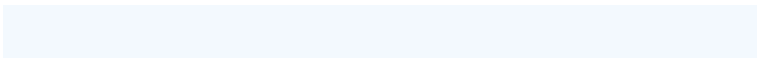
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 3.803, 199.306



99, 4.397, 199.245



98, 3.331, 254.263



53, 2.995, 199.188



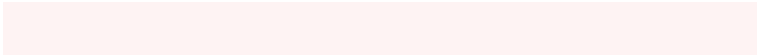
70, 40.376, 196.329



24, 18.574, 196.336

Inverse Universe

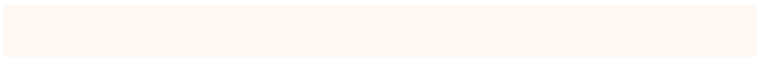
The Inverse Universe completely reimagines the original color for something new.



97, 3.909, 19.470



97, 4.539, 19.536



98, 3.355, 72.938



51, 3.105, 19.600



40, 84.212, 39.985



10, 33.364, 27.161

Previews

White Background



This preview shows how the CIELCh color 99, 3.802, 199.337 looks on a white background.

Color Contrast Check

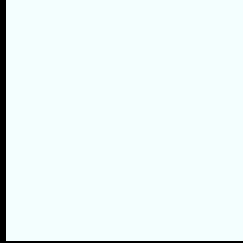
Large Text (above 18pt) WCAG AA × Fail

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, 3.802, 199.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

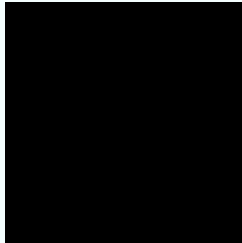
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 3.802, 199.337

Background



This preview shows how black text looks on a background with the CIELCh color 99, 3.802, 199.337.



This preview shows how white text looks on a background with the CIELCh color 99, 3.802, 199.337.

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

A vertical rectangular area divided into three colored sections: a light cyan top section, a light pink middle section, and a light yellow bottom section. To the right of each section is text describing the color and its corresponding L and M cone photoreceptor counts.

Original Color

99, 3.802, 199.337

Protanopia

99, 1.502, 359.268

Deuteranopia

99, 1.748, 343.501

Tritanopia
99, 1.571, 277.558

Trichromacy



Original Color

99, 3.802, 199.337

Protanomaly

99, 0.621, 256.220

Deuteranomaly

99, 1.081, 271.537

Tritanomaly

99, 2.000, 230.270

Monochromacy



Original Color

99, 3.802, 199.337

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.392, 199.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 3.802, 199.337 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(243, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(243, 254, 254)  
}
```

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(243, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 3.802, 199.337 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(243, 254, 254) }
```

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

```
.border{ border-color:rgb(243, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(243, 254,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 3.802, 199.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 254, 254) }
```

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

```
.background{ background-color: rgb(243,  
254, 254) }
```

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