

Converting Colors

CIELCh(99, 8.301, 116.906)

Have a look what the booklet for
CIELCh(99, 8.301, 116.906) contains.

CIELCh(99, 8.189, 117.075)	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, 8.189, 117.075)

Conversions

Conversions Part 1

Format	Color
Hex	FBFEEE
RGB	251, 254, 238
RGB Percent	98%, 100%, 93%
CMY	0.0163, 0.0045, 0.0672
CMYK	0.01, 0.00, 0.06, 0.00
HSL	71°, 88%, 96%
HSV	71°, 6%, 100%
XYZ	90.5366, 97.4360, 94.8119
YIQ	251.2790, 3.3480, -5.6120

Conversions

Conversions Part 2

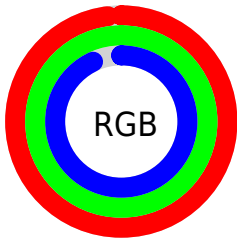
Format	Color
R _Y B	238, 254, 241
Decimal	16514798
CIE Lab	99.00, -3.73, 7.29
CIE LCh	99, 8.189, 117.075
Yxy	97.4360, 0.3202, 0.3446
Android (android.graphics.Color)	4294704878 (0xFFFBFEEE)
YUV	251.2790, -6.5465, -0.2447
Hunter-Lab	98.7097, -9.0217, 12.1480

Details

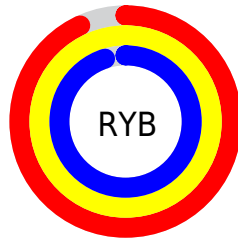
The CIELCh color 99, 8.189, 117.075 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 8.318, 297.973, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 8.065, 117.485 is the 20% darker color. If you saturate the color by 10%, you get 98, 21.159, 116.376, and if you desaturate by 10%, it is 100, 0.718, 324.036.

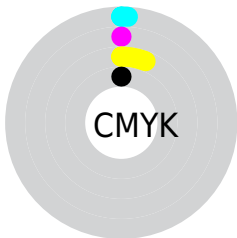
Distribution



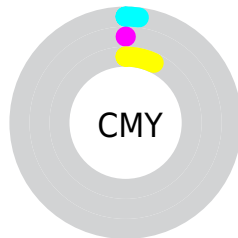
- Red (98%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 8.189, 117.075 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, 8.189, 117.075 by changing the saturation by 10% instead.

 99, 8.189, 117.075

 99, 8.189, 117.075

 100, 8.189,
117.075

 89, 8.189, 117.075

 79, 8.189, 117.075

 69, 8.189, 117.075

 59, 8.189, 117.075

 49, 8.189, 117.075

 39, 8.189, 117.075

 29, 8.189, 117.075

 19, 8.189, 117.075

 9, 8.189, 117.075

99, 8.189, 117.075

99, 8.189, 117.075

98, 21.159,
116.376

100, 0.718,
324.036

97, 33.994,
115.662

97, 46.567,
114.964


96, 58.684,
114.313

95, 70.050,
113.755

95, 80.233,
113.354

94, 88.663,
113.196

94, 94.737,
113.374

 94, 98.120,
113.952

Harmonies

Complementary

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



99, 8.189, 117.075



95, 8.318, 297.973

Rectangle

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



99, 8.189, 117.075



99, 8.189, 167.075



99, 8.189, 297.075



99, 8.189, 347.075

Sweetspot

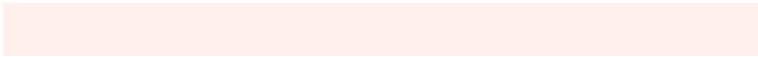
The Sweet Spot groups the original color and five complimentary colors.



99, 8.191, 117.085



100, 2.601, 117.386



96, 4.902, 37.352



53, 1.479, 117.393



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, 8.191, 117.085



99, 10.435, 116.965



98, 9.043, 134.961



53, 7.415, 116.859



72, 79.885, 114.053



25, 36.101, 113.097

Inverse Universe

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



95, 8.318, 297.973



94, 10.627, 298.103



95, 9.107, 315.444



49, 7.573, 298.221



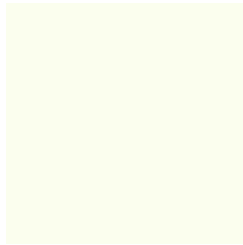
24, 106.342, 307.142



4, 44.534, 305.311

Previews

White Background



This preview shows how the CIE LCh color 99, 8.189, 117.075 looks on a white background.

Color Contrast Check

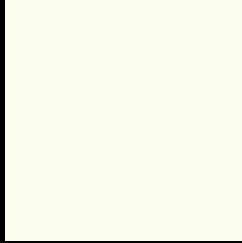
Large Text (above 18pt) WCAG AA × Fail

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, 8.189, 117.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

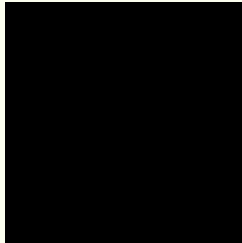
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 8.189, 117.075

Background



This preview shows how black text looks on a background with the CIELCh color 99, 8.189, 117.075.

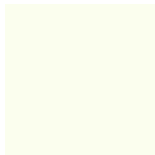


This preview shows how white text looks on a background with the CIELCh color 99, 8.189, 117.075.

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, 8.189, 117.075



Protanopia
99, 2.732, 87.135

Deuteranopia
99, 1.406, 19.030

Tritanopia
99, 1.581, 303.066

Trichromacy



Original Color

99, 8.189, 117.075

Protanomaly

99, 4.559, 109.818

Deuteranomaly

99, 3.055, 103.284

Tritanomaly

99, 2.055, 119.829

Monochromacy



Original Color

99, 8.189, 117.075



Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 3.063, 116.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 8.189, 117.075 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(251, 254, 238)` looks like.

```
.text, #text, p{  
    color:rgb(251, 254, 238)  
}
```

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(251, 254, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 254, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 8.189, 117.075 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(251, 254, 238) }
```

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

```
.border{ border-color:rgb(251, 254, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 254, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 254, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 254, 238);  
box-shadow:4px 4px 4px 4px rgb(251, 254,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 8.189, 117.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 254, 238) }
```

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

```
.background{ background-color: rgb(251,  
254, 238) }
```

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