

Converting Colors

CIELCh(100, 9.530, 77.380)

Have a look what the booklet for
CIELCh(100, 9.530, 77.380) contains.

CIELCh(99, 8.135, 104.498)	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, 8.135, 104.498)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDED
RGB	255, 253, 237
RGB Percent	100%, 99%, 93%
CMY	0.0008, 0.0087, 0.0714
CMYK	0.00, 0.01, 0.07, 0.00
HSL	53°, 98%, 96%
HSV	53°, 7%, 100%
XYZ	91.4732, 97.4360, 93.9443
YIQ	251.7740, 6.3280, -4.5520

Conversions

Conversions Part 2

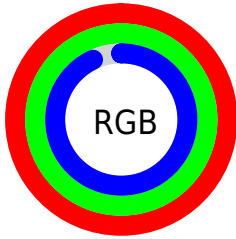
Format	Color
R _Y B	239, 255, 237
Decimal	16776685
CIE Lab	99.00, -2.04, 7.88
CIE LCh	99, 8.135, 104.498
Yxy	97.4360, 0.3234, 0.3445
Android (android.graphics.Color)	4294966765 (0xFFFFFDED)
YUV	251.7740, -7.2836, 2.8292
Hunter-Lab	98.7097, -7.3279, 12.6691

Details

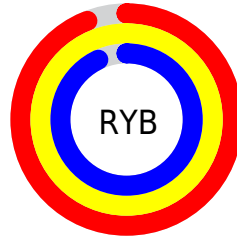
The CIELCh color 99, 8.135, 104.498 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 8.251, 286.071, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 8.006, 104.019 is the 20% darker color. If you saturate the color by 10%, you get 98, 19.683, 103.441, and if you desaturate by 10%, it is 100, 0.074, 208.371.

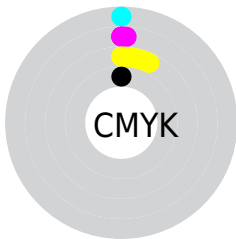
Distribution



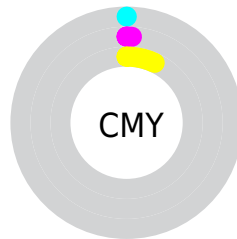
- Red (100%)
- Green (99%)
- Blue (93%)



- Red (94%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 8.135, 104.498 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, 8.135, 104.498 by changing the saturation by 10% instead.

 99, 8.135, 104.498

 99, 8.135, 104.498

 100, 8.135,
104.498

 89, 8.135, 104.498

 79, 8.135, 104.498

 69, 8.135, 104.498

 59, 8.135, 104.498

 49, 8.135, 104.498

 39, 8.135, 104.498

 29, 8.135, 104.498

 19, 8.135, 104.498

 9, 8.135, 104.498

99, 8.135, 104.498

99, 8.135, 104.498

98, 19.683,
103.441

100, 0.074,
208.371

97, 31.183,
102.343

95, 42.537,
101.237

94, 53.576,
100.138

93, 64.023, 99.061

92, 73.443, 98.026

92, 81.213, 97.048

91, 86.600, 96.131

90, 89.117, 95.259

Harmonies

Complementary

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



99, 8.135, 104.498



95, 8.251, 286.071

Rectangle

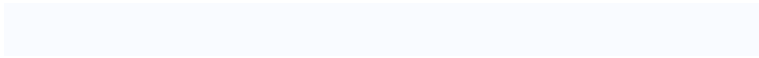
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 8.135, 104.498



99, 8.135, 154.498



99, 8.135, 284.498



99, 8.135, 334.498

Sweetspot

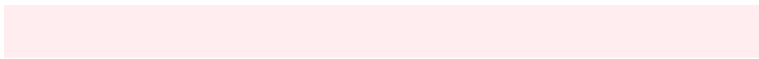
The Sweet Spot groups the original color and five complimentary colors.



99, 8.137, 104.512



100, 2.296, 105.006



95, 6.535, 10.304



53, 1.305, 105.014



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, 8.137, 104.512



99, 9.225, 104.413



99, 9.471, 124.548



53, 6.558, 104.254



69, 72.237, 95.154



24, 32.573, 96.343

Inverse Universe

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



95, 8.251, 286.071



94, 9.365, 286.180



95, 9.601, 305.248



49, 6.672, 286.358



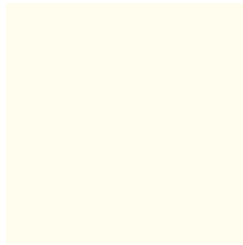
25, 102.159, 304.794



5, 40.603, 299.737

Previews

White Background



This preview shows how the CIE LCh color 99, 8.135, 104.498 looks on a white background.

Color Contrast Check

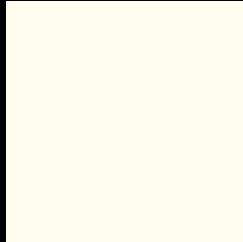
Large Text (above 18pt) WCAG AA × Fail

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 99, 8.135, 104.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

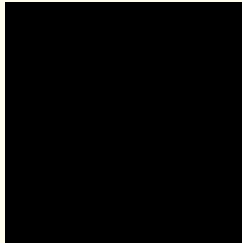
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 8.135, 104.498

Background



This preview shows how black text looks on a background with the CIELCh color 99, 8.135, 104.498.



This preview shows how white text looks on a background with the CIELCh color 99, 8.135, 104.498.

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, 8.135, 104.498



Protanopia
99, 2.732, 87.135

Deuteranopia
99, 1.406, 19.030

Tritanopia
99, 2.171, 309.072

Trichromacy



Original Color

99, 8.135, 104.498

Protanomaly

99, 4.674, 96.630

Deuteranomaly

99, 3.207, 90.598

Tritanomaly

99, 2.134, 90.698

Monochromacy



Original Color

99, 8.135, 104.498



Achromatopsia

99, 0.012, 296.813



Achromatomaly

99, 3.055, 103.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 8.135, 104.498 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(255, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 237)  
}
```

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(255, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 8.135, 104.498 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(255, 253, 237) }
```

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

```
.border{ border-color:rgb(255, 253, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 8.135, 104.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 237) }
```

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

```
.background{ background-color: rgb(255,  
253, 237) }
```

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