

# Converting Colors

CIELCh(99, 8.013, 104.852)

Have a look what the booklet for  
CIELCh(99, 8.013, 104.852) contains.

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# **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

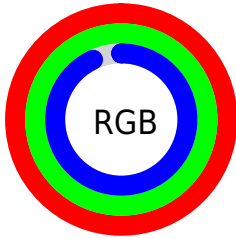
Format	Color
<a href="#">RYB</a>	<a href="#">239, 255, 237</a>
Decimal	<a href="#">16776685</a>
CIELab	<a href="#">99.00, -2.04, 7.88</a>
CIELCh	<a href="#">99, 8.135, 104.498</a>
Yxy	<a href="#">97.4360, 0.3234, 0.3445</a>
Android (android.graphics.Color)	<a href="#">4294966765</a> ( <a href="#">0xFFFFFDED</a> )
YUV	<a href="#">251.7740, -7.2836, 2.8292</a>
Hunter-Lab	<a href="#">98.7097, -7.3279, 12.6691</a>

# Details

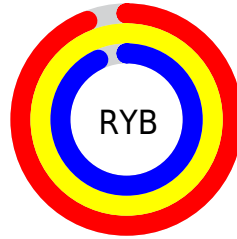
The CIELCh color 99, 8.135, 104.498 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 8.251, 286.071, and the grayscale version is 99, 0.012, 296.813.

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.

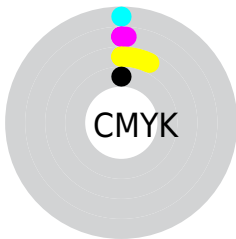
# Distribution



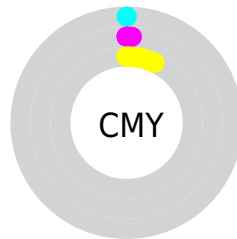
- Red (100%)
- Green (99%)
- Blue (93%)



- 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

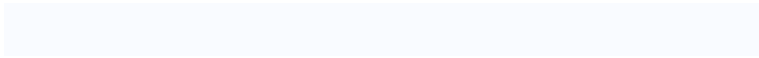
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 8.135, 104.498



99, 8.135, 154.498



99, 8.135, 284.498



99, 8.135, 334.498

# Sweetspot

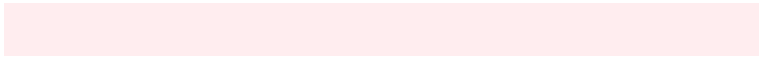
The Sweet Spot groups the original color and five complimentary colors.



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

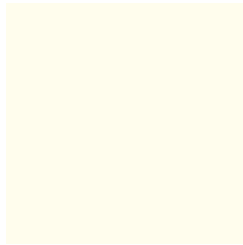


5, 40.603, 299.737



# Previews

## White Background



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

## Color Contrast Check

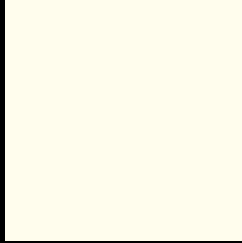
Large Text (above 18pt) WCAG AA × Fail

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

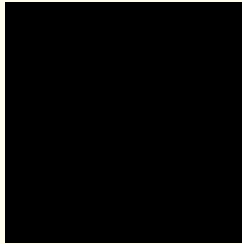
Large Text (above 18pt) WCAG AAA ✓ Pass

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

A vertical bar on the left side of the page is divided into three colored sections: a yellow top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### 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](#).

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