

Converting Colors

CIELCh(100, 8.340, 198.878)

Have a look what the booklet for
CIELCh(100, 8.340, 198.878)
contains.

CIELCh(99, 6.851, 199.068)	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, 6.851, 199.068)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFFF
RGB	236, 255, 255
RGB Percent	93%, 100%, 100%
CMY	0.0738, 0.0000, 0.0000
CMYK	0.07, 0.00, 0.00, 0.00
HSL	180°, 100%, 96%
HSV	180°, 7%, 100%
XYZ	89.0280, 97.4360, 109.7247
YIQ	249.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

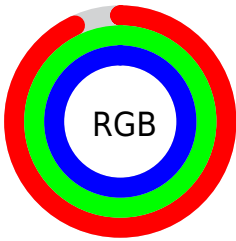
Format	Color
R _Y B	236, 246, 255
Decimal	15532031
CIE Lab	99.00, -6.48, -2.24
CIE LCh	99, 6.851, 199.068
Yxy	97.4360, 0.3006, 0.3290
Android (android.graphics.Color)	4293722111 (0xFFE0FFFF)
YUV	249.3190, 2.8007, -11.6808
Hunter-Lab	98.7097, -11.7497, 3.1906

Details

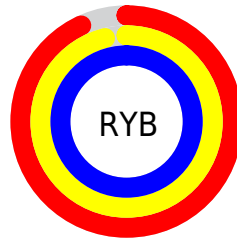
The CIELCh color **99, 6.851, 199.068** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95, 6.767, 19.772**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 6.448, 198.997** is the 20% darker color. If you saturate the color by 10%, you get **97, 14.788, 198.521**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

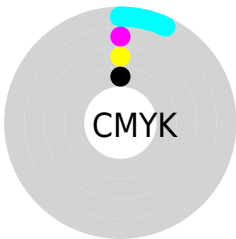
Distribution



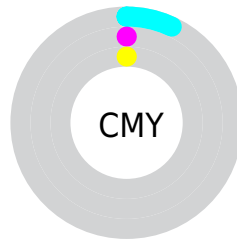
- Red (93%)
- Green (100%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.851, 199.068 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, 6.851, 199.068 by changing the saturation by 10% instead.

 99, 6.851, 199.068

 99, 6.851, 199.068

 100, 6.851,
199.068

 89, 6.851, 199.068

 79, 6.851, 199.068

 69, 6.851, 199.068

 59, 6.851, 199.068

 49, 6.851, 199.068

 39, 6.851, 199.068

 29, 6.851, 199.068

 19, 6.851, 199.068

 9, 6.851, 199.068

99, 6.851, 199.068

99, 6.851, 199.068

97, 14.788,
198.521

100, 0.012,
296.813

96, 22.509,
198.030

94, 29.475,
197.602


93, 35.545,
197.236

93, 40.600,
196.937

92, 44.560,
196.706

92, 47.398,
196.542

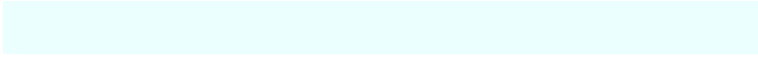
91, 49.160,
196.441

 91, 49.982,
196.394

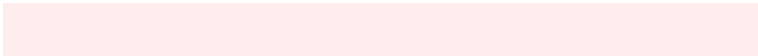
Harmonies

Complementary

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



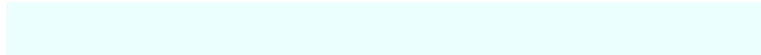
99, 6.851, 199.068



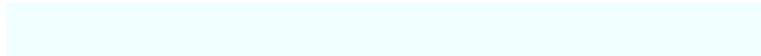
95, 6.767, 19.772

Rectangle

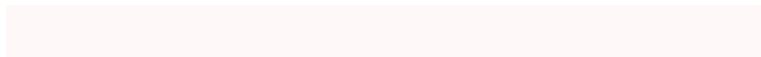
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



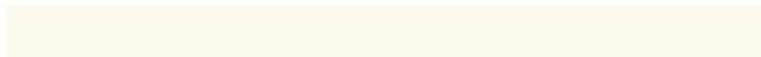
99, 6.851, 199.068



99, 6.851, 249.068



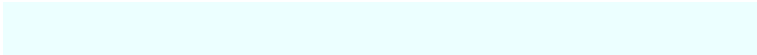
99, 6.851, 19.068



99, 6.851, 69.068

Sweetspot

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



99, 6.457, 199.099



100, 1.770, 199.667



98, 11.727, 144.036



53, 1.006, 199.692



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

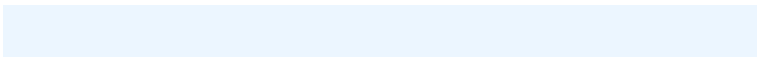
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 6.457, 199.099



98, 7.839, 198.994



96, 5.754, 256.448



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

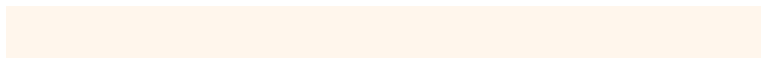
The Inverse Universe completely reimagines the original color for something new.



95, 11.749, 324.824



94, 14.333, 324.918



97, 5.847, 74.440



50, 9.057, 324.947



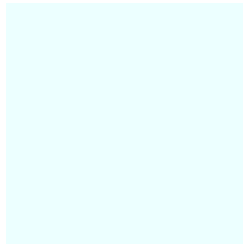
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIELCh color 99, 6.851, 199.068 looks on a white background.

Color Contrast Check

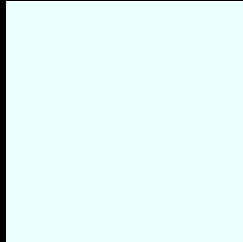
Large Text (above 18pt) WCAG AA × Fail

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, 6.851, 199.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

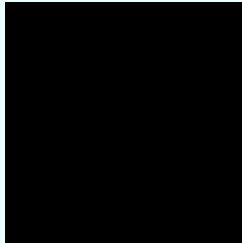
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.851, 199.068

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.851, 199.068.

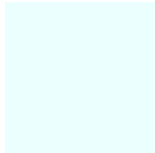


This preview shows how white text looks on a background with the CIELCh color 99, 6.851, 199.068.

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, 6.515, 199.095

Protanopia

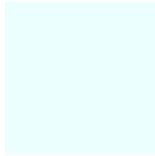
99, 2.044, 349.329

Deuteranopia

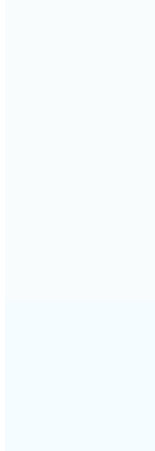
99, 2.044, 349.329

Tritanopia
99, 2.151, 271.552

Trichromacy



Original Color
99, 6.515, 199.095

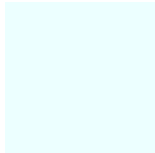


Protanomaly
99, 1.477, 219.961

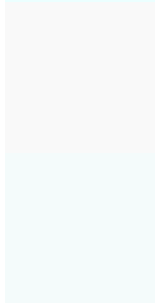
Deuteranomaly
99, 1.477, 219.961

Tritanomaly
98, 3.139, 228.642

Monochromacy



Original Color
99, 6.515, 199.095



Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 2.433, 199.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.851, 199.068 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(236, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 255)  
}
```

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(236, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.851, 199.068 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(236, 255, 255) }
```

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

```
.border{ border-color:rgb(236, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.851, 199.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 255) }
```

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

```
.background{ background-color: rgb(236,  
255, 255) }
```

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