

Converting Colors

CIELCh(99, 7.187, 169.479)

Have a look what the booklet for
CIELCh(99, 7.187, 169.479) contains.

CIELCh(99, 6.684, 171.871)	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, 6.684, 171.871)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFFA
RGB	239, 255, 250
RGB Percent	94%, 100%, 98%
CMY	0.0627, 0.0000, 0.0195
CMYK	0.06, 0.00, 0.02, 0.00
HSL	161°, 100%, 97%
HSV	161°, 6%, 100%
XYZ	88.9506, 97.4360, 104.5814
YIQ	249.6460, -7.9310, -4.9470

Conversions

Conversions Part 2

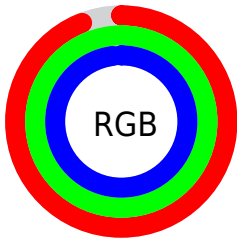
Format	Color
R_{YB}	239, 248, 255
Decimal	15728634
CIE Lab	99.00, -6.62, 0.95
CIE LCh	99, 6.684, 171.871
Yxy	97.4360, 0.3057, 0.3349
Android (android.graphics.Color)	4293918714 (0xFFEFFFFFA)
YUV	249.6460, 0.1745, -9.3365
Hunter-Lab	98.7097, -11.8896, 6.2800

Details

The CIELCh color **99, 6.684, 171.871** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 6.241, 355.686**, 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, 5.877, 177.705** is the 20% darker color. If you saturate the color by 10%, you get **97, 15.787, 173.673**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

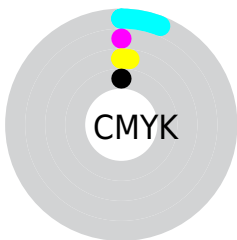
Distribution



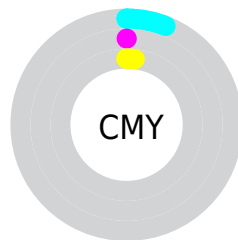
- Red (94%)
- Green (100%)
- Blue (98%)



- Red (94%)
- Yellow (97%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.684, 171.871 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, 6.684, 171.871 by changing the saturation by 10% instead.

 99, 6.684, 171.871

 99, 6.684, 171.871

 100, 6.684,
171.871

 89, 6.684, 171.871

 79, 6.684, 171.871

 69, 6.684, 171.871

 59, 6.684, 171.871

 49, 6.684, 171.871

 39, 6.684, 171.871

 29, 6.684, 171.871

 19, 6.684, 171.871

 9, 6.684, 171.871

99, 6.684, 171.871

99, 6.684, 171.871

97, 15.787,
173.673

100, 0.012,
296.813

95, 25.172,
172.609

94, 34.128,
171.456


93, 42.488,
170.190

92, 50.086,
168.785

91, 56.782,
167.216

90, 62.484,
165.457

90, 67.173,
163.492

 89, 70.932,
161.327

Harmonies

Complementary

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



99, 6.684, 171.871



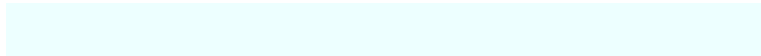
96, 6.241, 355.686

Rectangle

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



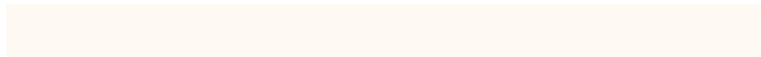
99, 6.684, 171.871



99, 6.684, 221.871



99, 6.684, 351.871



99, 6.684, 41.871

Sweetspot

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



99, 6.127, 174.703



100, 1.955, 175.295



99, 9.024, 134.962



53, 1.111, 175.320



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

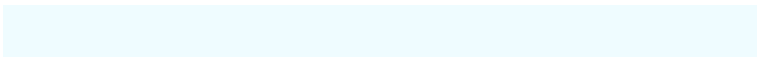
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 6.127, 174.703



98, 7.814, 174.519



98, 4.705, 217.818



52, 5.548, 174.364



69, 57.756, 160.919



23, 25.341, 163.949

Inverse Universe

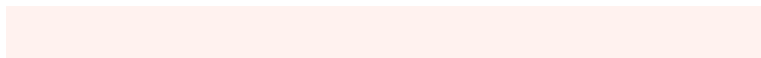
The Inverse Universe completely reimagines the original color for something new.



96, 6.241, 355.686



95, 7.994, 355.877



96, 4.891, 37.352



50, 5.698, 356.040



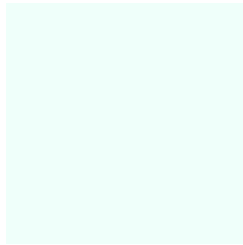
40, 70.313, 20.243



10, 31.417, 11.953

Previews

White Background



This preview shows how the CIELCh color 99, 6.684, 171.871 looks on a white background.

Color Contrast Check

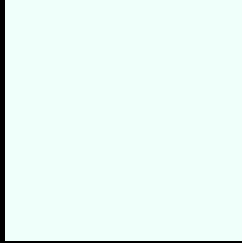
Large Text (above 18pt) WCAG AA × Fail

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, 6.684, 171.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

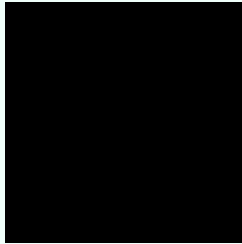
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.684, 171.871

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.684, 171.871.



This preview shows how white text looks on a background with the CIELCh color 99, 6.684, 171.871.

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, 6.138, 174.614

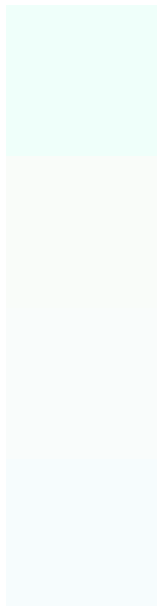


Protanopia
99, 2.022, 49.321

Deuteranopia
99, 1.838, 3.095

Tritanopia
99, 2.071, 280.717

Trichromacy



Original Color

99, 6.138, 174.614

Protanomaly

99, 1.855, 144.541

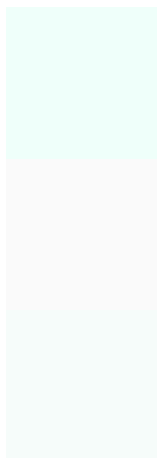
Deuteranomaly

99, 1.165, 174.059

Tritanomaly

99, 2.138, 213.377

Monochromacy



Original Color

99, 6.138, 174.614

Achromatopsia

98, 0.011, 296.813

Achromatomaly

98, 2.336, 173.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.684, 171.871 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(239, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 250)  
}
```

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(239, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.684, 171.871 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(239, 255, 250) }
```

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

```
.border{ border-color:rgb(239, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.684, 171.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 250) }
```

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

```
.background{ background-color: rgb(239,  
255, 250) }
```

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