

Converting Colors

CIELCh(99, 6.829, 167.016)

Have a look what the booklet for
CIELCh(99, 6.829, 167.016) contains.

| | |
|--|----|
| CIELCh(99, 6.080, 168.978) | 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, 6.080, 168.978)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F1FFFA |
| RGB | 241, 255, 250 |
| RGB Percent | 95%, 100%, 98% |
| CMY | 0.0564, 0.0000, 0.0211 |
| CMYK | 0.06, 0.00, 0.02, 0.00 |
| HSL | 158°, 100%, 97% |
| HSV | 158°, 6%, 100% |
| XYZ | 89.3052, 97.4360, 104.2363 |
| YIQ | 250.2440, -6.7390, -4.5230 |

Conversions

Conversions Part 2

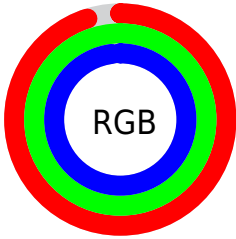
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 241, 250, 255 |
| Decimal | 15859706 |
| CIE Lab | 99.00, -5.97, 1.16 |
| CIE LCh | 99, 6.080, 168.978 |
| Yxy | 97.4360, 0.3069, 0.3349 |
| Android (android.graphics.Color) | 4294049786 (0xFFFF1FFFA) |
| YUV | 250.2440, -0.1203, -8.1070 |
| Hunter-Lab | 98.7097, -11.2484, 6.4872 |

Details

The CIELCh color 99, 6.080, 168.978 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 5.808, 351.487, 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, 5.215, 174.923 is the 20% darker color. If you saturate the color by 10%, you get 97, 15.825, 169.632, and if you desaturate by 10%, it is 100, 0.012, 296.813.

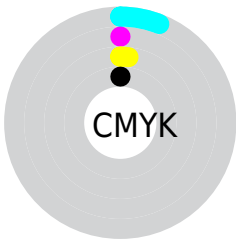
Distribution



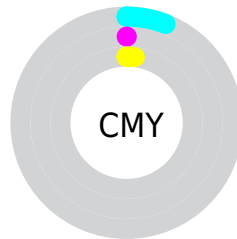
- Red (95%)
- Green (100%)
- Blue (98%)



- Red (95%)
- Yellow (98%)
- 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, 6.080, 168.978 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, 6.080, 168.978 by changing the saturation by 10% instead.

 99, 6.080, 168.978

 99, 6.080, 168.978

 100, 6.080,
168.978

 89, 6.080, 168.978

 79, 6.080, 168.978

 69, 6.080, 168.978


 59, 6.080, 168.978

 49, 6.080, 168.978

 39, 6.080, 168.978

 29, 6.080, 168.978

 19, 6.080, 168.978

 9, 6.080, 168.978

99, 6.080, 168.978

99, 6.080, 168.978

97, 15.825,
169.632

100, 0.012,
296.813

95, 25.712,
168.573

94, 35.234,
167.414


92, 44.217,
166.129

91, 52.490,
164.693

91, 59.899,
163.078

90, 66.335,
161.261

89, 71.763,
159.229

 89, 76.250,
156.993

Harmonies

Complementary

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



99, 6.080, 168.978



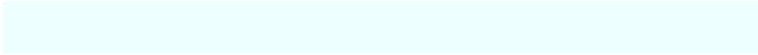
96, 5.808, 351.487

Rectangle

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



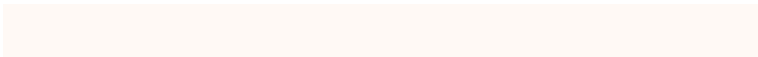
99, 6.080, 168.978



99, 6.080, 218.978



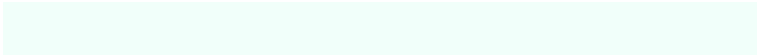
99, 6.080, 348.978



99, 6.080, 38.978

Sweetspot

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



99, 5.727, 170.651



100, 2.029, 171.153



99, 7.969, 132.825



53, 1.153, 171.176



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, 5.727, 170.651



99, 7.110, 170.506



99, 4.441, 210.390



52, 4.619, 170.444



69, 62.352, 156.426



23, 27.157, 159.592

Inverse Universe

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



96, 5.808, 351.487



95, 7.228, 351.634



97, 4.604, 30.262



50, 4.701, 351.698



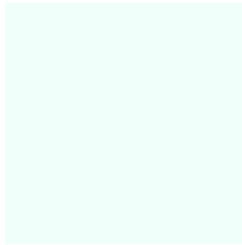
41, 68.732, 14.362



10, 31.283, 7.041

Previews

White Background



This preview shows how the CIELCh color 99, 6.080, 168.978 looks on a white background.

Color Contrast Check

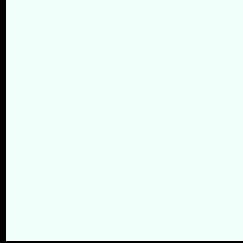
Large Text (above 18pt) WCAG AA × Fail

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, 6.080, 168.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

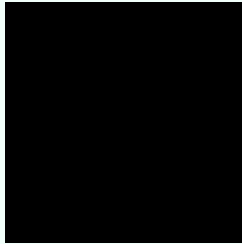
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.080, 168.978

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.080, 168.978.

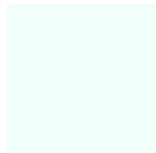


This preview shows how white text looks on a background with the CIELCh color 99, 6.080, 168.978.

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, 5.520, 171.725



Protanopia
99, 1.723, 55.170

Deuteranopia
99, 2.044, 349.329

Tritanopia
99, 1.677, 265.874

Trichromacy



Original Color

99, 5.520, 171.725

Protanomaly

99, 1.677, 134.742

Deuteranomaly

99, 0.862, 164.145

Tritanomaly

99, 2.084, 199.588

Monochromacy



Original Color

99, 5.520, 171.725

Achromatopsia

98, 0.011, 296.813

Achromatomaly

99, 2.027, 169.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.080, 168.978 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(241, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.080, 168.978 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(241, 255, 250) }
```

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

```
.border{ border-color:rgb(241, 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(241, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.080, 168.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 250) }
```

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

```
.background{ background-color: rgb(241,  
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