

Converting Colors

CIELCh(100, 8.169, 150.042)

Have a look what the booklet for
CIELCh(100, 8.169, 150.042)
contains.

CIELCh(99, 5.631, 152.988)	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, 5.631, 152.988)

Conversions

Conversions Part 1

Format	Color
Hex	F4FFF7
RGB	244, 255, 247
RGB Percent	96%, 100%, 97%
CMY	0.0433, 0.0001, 0.0315
CMYK	0.04, 0.00, 0.03, 0.00
HSL	136°, 99%, 98%
HSV	136°, 4%, 100%
XYZ	89.8265, 97.4360, 102.0387
YIQ	250.7990, -3.9880, -4.8200

Conversions

Conversions Part 2

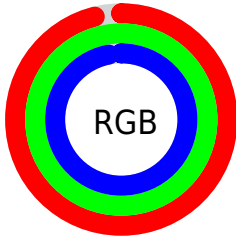
Format	Color
R_{YB}	244, 253, 255
Decimal	16056311
CIE _{Lab}	99.00, -5.02, 2.56
CIE _{LCh}	99, 5.631, 152.988
Yxy	97.4360, 0.3105, 0.3368
Android (android.graphics.Color)	4294246391 (0xFFFF4FFF7)
YUV	250.7990, -1.8729, -5.9627
Hunter-Lab	98.7097, -10.3056, 7.8072

Details

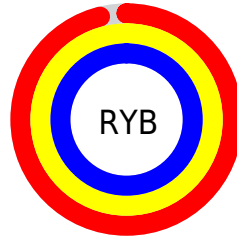
The CIELCh color 99, 5.631, 152.988 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 5.660, 333.420, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 5.266, 154.007 is the 20% darker color. If you saturate the color by 10%, you get 97, 18.803, 152.195, and if you desaturate by 10%, it is 100, 0.030, 314.112.

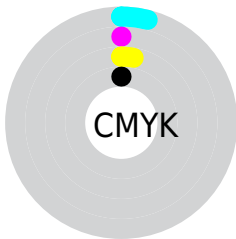
Distribution



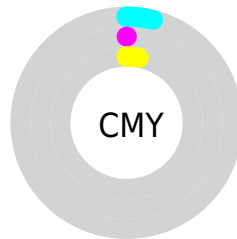
- Red (96%)
- Green (100%)
- Blue (97%)



- Red (96%)
- Yellow (99%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 5.631, 152.988 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, 5.631, 152.988 by changing the saturation by 10% instead.

 99, 5.631, 152.988

 99, 5.631, 152.988

 100, 5.631,
152.988

 89, 5.631, 152.988

 79, 5.631, 152.988

 69, 5.631, 152.988

 59, 5.631, 152.988

 49, 5.631, 152.988

 39, 5.631, 152.988

 29, 5.631, 152.988

 19, 5.631, 152.988

 9, 5.631, 152.988

99, 5.631, 152.988

99, 5.631, 152.988

97, 18.803,
152.195

100, 0.030,
314.112

95, 31.981,
151.333

93, 44.983,
150.343


92, 57.582,
149.201

91, 69.520,
147.887

90, 80.530,
146.389

89, 90.360,
144.711

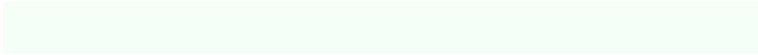
88, 98.804,
142.887

 88, 105.725,
140.989

Harmonies

Complementary

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



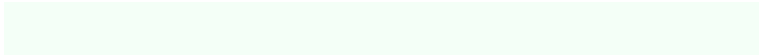
99, 5.631, 152.988



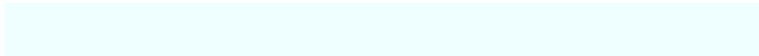
97, 5.660, 333.420

Rectangle

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



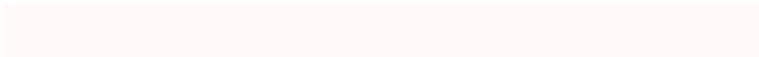
99, 5.631, 152.988



99, 5.631, 202.988



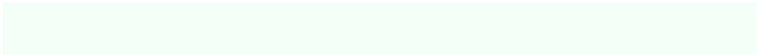
99, 5.631, 332.988



99, 5.631, 22.988

Sweetspot

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



99, 5.634, 152.984



100, 1.295, 153.444



100, 5.678, 120.291



53, 0.736, 153.463



0, 0.000, 0.000



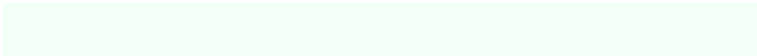
53, 0.007, 296.813

Same Dimension

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



99, 5.634, 152.984



99, 6.532, 152.927



99, 4.051, 180.500



53, 4.459, 152.870



68, 87.108, 140.299



23, 37.596, 143.086

Inverse Universe

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



97, 5.660, 333.420



97, 6.561, 333.476



97, 4.121, 0.999



51, 4.478, 333.530



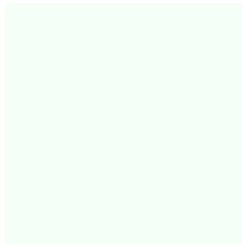
43, 75.662, 342.961



11, 35.608, 340.722

Previews

White Background



This preview shows how the CIE LCh color 99, 5.631, 152.988 looks on a white background.

Color Contrast Check

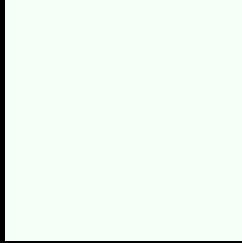
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 99, 5.631, 152.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

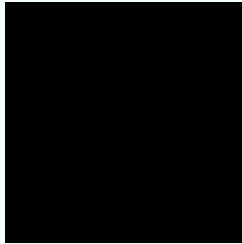
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 5.631, 152.988

Background



This preview shows how black text looks on a background with the CIELCh color 99, 5.631, 152.988.

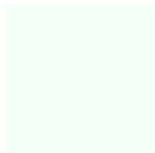


This preview shows how white text looks on a background with the CIELCh color 99, 5.631, 152.988.

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, 5.631, 152.988



Protanopia

99, 2.059, 66.765

Deuteranopia

99, 1.502, 359.268

Tritanopia
99, 1.571, 277.558

Trichromacy



Original Color

99, 5.631, 152.988

Protanomaly

99, 2.057, 119.829

Deuteranomaly

99, 1.069, 129.166

Tritanomaly

99, 1.818, 183.409

Monochromacy



Original Color

99, 5.631, 152.988

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 1.733, 163.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 5.631, 152.988 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(244, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 247)  
}
```

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(244, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 5.631, 152.988 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(244, 255, 247) }
```

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

```
.border{ border-color:rgb(244, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 5.631, 152.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 247) }
```

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

```
.background{ background-color: rgb(244,  
255, 247) }
```

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