

Converting Colors

CIELCh(99, 7.168, 158.024)

Have a look what the booklet for
CIELCh(99, 7.168, 158.024) contains.

CIELCh(99, 6.400, 159.637)	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, 6.400, 159.637)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFF8
RGB	242, 255, 248
RGB Percent	95%, 100%, 97%
CMY	0.0527, 0.0000, 0.0291
CMYK	0.05, 0.00, 0.03, 0.00
HSL	147°, 100%, 97%
HSV	147°, 5%, 100%
XYZ	89.2876, 97.4360, 102.5565
YIQ	250.3150, -5.5010, -4.9330

Conversions

Conversions Part 2

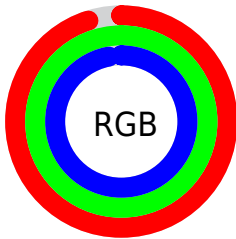
Format	Color
R_{YB}	242, 251, 255
Decimal	15925240
CIE Lab	99.00, -6.00, 2.23
CIE LCh	99, 6.400, 159.637
Yxy	97.4360, 0.3087, 0.3368
Android (android.graphics.Color)	4294115320 (0xFFFF2FFF8)
YUV	250.3150, -1.1413, -7.2923
Hunter-Lab	98.7097, -11.2803, 7.4962

Details

The CIELCh color 99, 6.400, 159.637 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 6.104, 341.233, 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, 5.465, 163.228 is the 20% darker color. If you saturate the color by 10%, you get 97, 17.604, 159.645, and if you desaturate by 10%, it is 100, 0.012, 296.813.

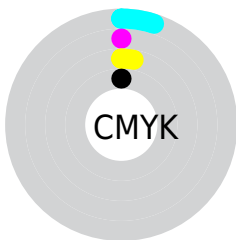
Distribution



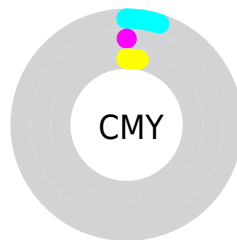
- Red (95%)
- Green (100%)
- Blue (97%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.400, 159.637 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, 6.400, 159.637 by changing the saturation by 10% instead.

 99, 6.400, 159.637

 99, 6.400, 159.637

 100, 6.400,
159.637

 89, 6.400, 159.637

 79, 6.400, 159.637

 69, 6.400, 159.637

 59, 6.400, 159.637

 49, 6.400, 159.637

 39, 6.400, 159.637

 29, 6.400, 159.637

 19, 6.400, 159.637

 9, 6.400, 159.637

99, 6.400, 159.637

99, 6.400, 159.637

97, 17.604,
159.645

100, 0.012,
296.813

95, 29.070,
158.671

93, 40.291,
157.575

92, 51.074,
156.330

91, 61.216,
154.911

90, 70.521,
153.295

89, 78.831,
151.465

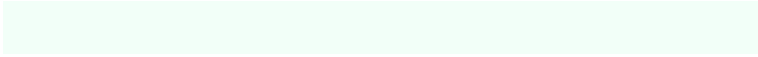
89, 86.060,
149.425

■ 88, 92.218,
147.206

Harmonies

Complementary

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



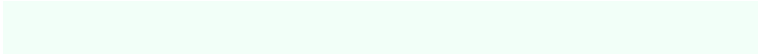
99, 6.400, 159.637



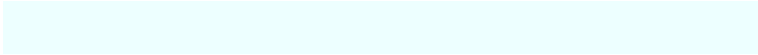
97, 6.104, 341.233

Rectangle

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



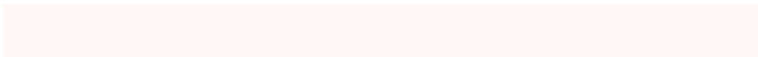
99, 6.400, 159.637



99, 6.400, 209.637



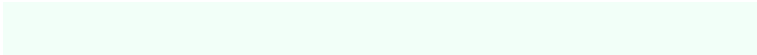
99, 6.400, 339.637



99, 6.400, 29.637

Sweetspot

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



99, 6.059, 160.554



100, 2.292, 160.941



99, 7.133, 126.475



53, 1.303, 160.959



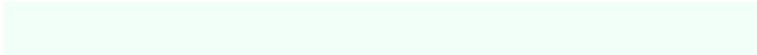
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



99, 6.059, 160.554



99, 6.903, 160.485



99, 4.666, 193.639



53, 4.580, 160.425



68, 75.703, 146.570



23, 32.581, 149.764

Inverse Universe

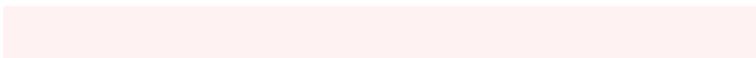
The Inverse Universe completely reimagines the original color for something new.



97, 6.104, 341.233



96, 6.958, 341.302



96, 4.807, 14.142



51, 4.618, 341.361



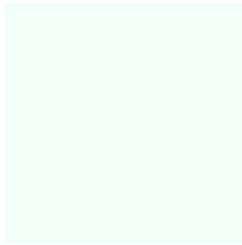
41, 69.115, 357.146



11, 32.469, 352.387

Previews

White Background



This preview shows how the CIE LCh color 99, 6.400, 159.637 looks on a white background.

Color Contrast Check

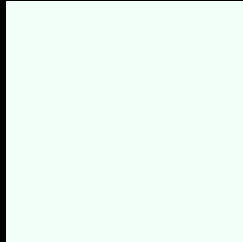
Large Text (above 18pt) WCAG AA × Fail

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, 6.400, 159.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

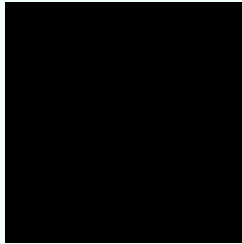
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.400, 159.637

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.400, 159.637.

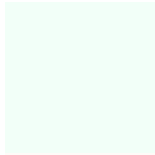


This preview shows how white text looks on a background with the CIELCh color 99, 6.400, 159.637.

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, 5.801, 161.309



Protanopia
99, 2.059, 66.765

Deuteranopia
99, 1.838, 3.095

Tritanopia
99, 1.571, 277.558

Trichromacy



Original Color

99, 5.801, 161.309

Protanomaly

99, 2.149, 129.065

Deuteranomaly

99, 1.233, 144.647

Tritanomaly

99, 1.818, 183.409

Monochromacy



Original Color

99, 5.801, 161.309

Achromatopsia

98, 0.011, 296.813

Achromatomaly

99, 2.330, 158.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.400, 159.637 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(242, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 248)  
}
```

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(242, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.400, 159.637 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(242, 255, 248) }
```

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

```
.border{ border-color:rgb(242, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.400, 159.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 248) }
```

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

```
.background{ background-color: rgb(242,  
255, 248) }
```

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