

Converting Colors

CIELCh(99, 28.845, 107.986)

Have a look what the booklet for
CIELCh(99, 28.845, 107.986)
contains.

CIELCh(99, 28.732, 107.994)	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, 28.732, 107.994)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFC7
RGB	255, 255, 199
RGB Percent	100%, 100%, 78%
CMY	0.0000, 0.0000, 0.2210
CMYK	0.00, 0.00, 0.22, 0.00
HSL	60°, 100%, 89%
HSV	60°, 22%, 100%
XYZ	87.7237, 97.4360, 67.9941
YIQ	248.6160, 17.9760, -17.4160

Conversions

Conversions Part 2

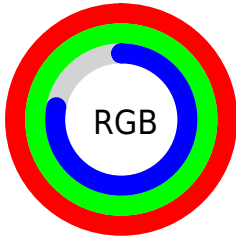
Format	Color
R_{YB}	199, 255, 199
Decimal	16777159
CIE Lab	99.00, -8.88, 27.33
CIE LCh	99, 28.732, 107.994
Yxy	97.4360, 0.3465, 0.3849
Android (android.graphics.Color)	4294967239 (0xFFFFFFFFC7)
YUV	248.6160, -24.4607, 5.5988
Hunter-Lab	98.7097, -14.1082, 28.2561

Details

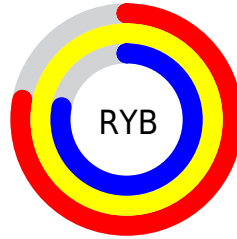
The CIELCh color **99, 28.732, 107.994** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 29.935, 292.750**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 27.957, 107.602** is the 20% darker color. If you saturate the color by 10%, you get **98, 41.006, 107.047**, and if you desaturate by 10%, it is **99, 15.613, 108.997**.

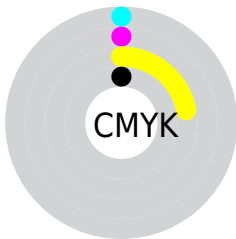
Distribution



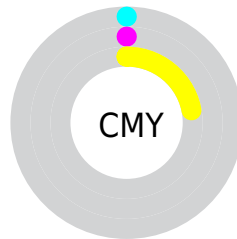
- Red (100%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 28.732, 107.994 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, 28.732, 107.994 by changing the saturation by 10% instead.

 99, 28.732,
107.994


 99, 28.732,
107.994

 100, 28.732,
107.994

 89, 28.732,
107.994

 79, 28.732,
107.994

 69, 28.732,
107.994

 59, 28.732,
107.994

 49, 28.732,
107.994

 39, 28.732,
107.994

 29, 28.732,

107.994

■ 19, 28.732,
107.994

■ 9, 28.732, 107.994

■ 99, 28.732,
107.994

■ 99, 28.732,
107.994

■ 98, 41.006,
107.047

■ 99, 15.613,
108.997

■ 98, 53.223,
106.105

■ 100, 2.709,
109.947

■ 98, 64.807,
105.218

■ 100, 0.012,
296.813

■ 97, 75.370,
104.422

■ 97, 84.377,
103.755

■ 97, 91.201,
103.259

■ 97, 95.348,
102.963

■ 97, 96.910,
102.852

Harmonies

Complementary

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



99, 28.732, 107.994



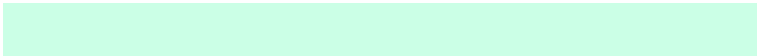
82, 29.935, 292.750

Rectangle

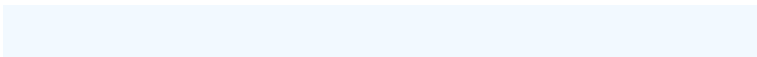
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 28.732, 107.994



99, 28.732, 157.994



99, 28.732, 287.994



99, 28.732, 337.994

Sweetspot

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



99, 28.415, 108.019



100, 9.036, 109.492



85, 21.472, 21.060



53, 5.871, 109.434



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

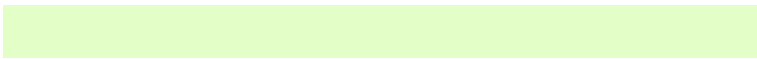
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 28.415, 108.019



99, 34.615, 107.541



97, 30.430, 128.048



53, 7.338, 109.250



75, 78.056, 102.852



26, 35.525, 102.993

Inverse Universe

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



82, 29.935, 292.750



78, 36.950, 293.458



84, 31.376, 310.122



49, 7.504, 291.174



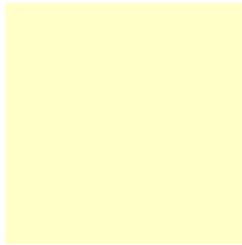
23, 107.781, 306.287



3, 44.127, 301.758

Previews

White Background



This preview shows how the CIE LCh color 99, 28.732, 107.994 looks on a white background.

Color Contrast Check

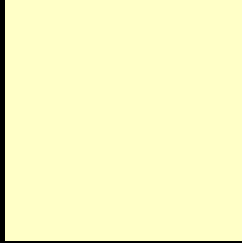
Large Text (above 18pt) WCAG AA × Fail

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, 28.732, 107.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

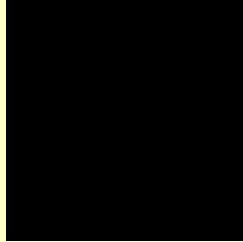
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 28.732, 107.994

Background



This preview shows how black text looks on a background with the CIELCh color 99, 28.732, 107.994.



This preview shows how white text looks on a background with the CIELCh color 99, 28.732, 107.994.

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, 28.233, 108.033



Protanopia
99, 5.257, 94.035

Deuteranopia
99, 2.059, 66.765

Tritanopia
99, 3.114, 324.451

Trichromacy



Original Color
99, 28.233, 108.033



Protanomaly
99, 13.222, 104.426



Deuteranomaly
99, 11.203, 103.755

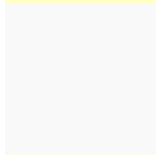


Tritanomaly
99, 8.681, 102.373

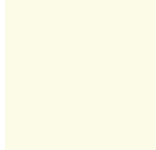
Monochromacy



Original Color
99, 28.233, 108.033



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 10.154, 109.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 28.732, 107.994 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(255, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 199)  
}
```

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(255, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 28.732, 107.994 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(255, 255, 199) }
```

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

```
.border{ border-color:rgb(255, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 28.732, 107.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 199) }
```

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

```
.background{ background-color: rgb(255,  
255, 199) }
```

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