

Converting Colors

CIELCh(99, 19.132, 108.099)

Have a look what the booklet for
CIELCh(99, 19.132, 108.099)
contains.

CIELCh(99, 18.721, 107.627)	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, 18.721, 107.627)

Conversions

Conversions Part 1

Format	Color
Hex	FFFED9
RGB	255, 254, 217
RGB Percent	100%, 100%, 85%
CMY	0.0000, 0.0026, 0.1478
CMYK	0.00, 0.00, 0.15, 0.00
HSL	59°, 100%, 93%
HSV	59°, 15%, 100%
XYZ	89.4687, 97.4360, 79.9510
YIQ	250.0810, 12.4730, -11.2950

Conversions

Conversions Part 2

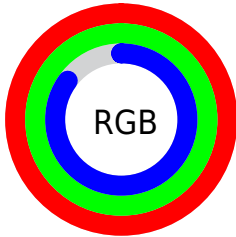
Format	Color
R _Y B	218, 255, 217
Decimal	16776921
CIE Lab	99.00, -5.67, 17.84
CIE LCh	99, 18.721, 107.627
Yxy	97.4360, 0.3353, 0.3651
Android (android.graphics.Color)	4294967001 (0xFFFFFED9)
YUV	250.0810, -16.3089, 4.3140
Hunter-Lab	98.7097, -10.9526, 21.0742

Details

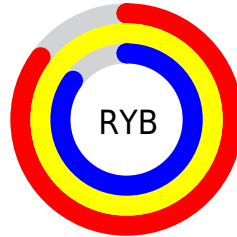
The CIELCh color **99, 18.721, 107.627** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **88, 19.348, 291.097**, and the grayscale version is **98, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 18.560, 107.262** is the 20% darker color. If you saturate the color by 10%, you get **98, 31.275, 107.004**, and if you desaturate by 10%, it is **100, 6.057, 108.982**.

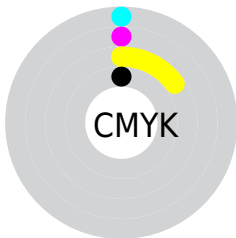
Distribution



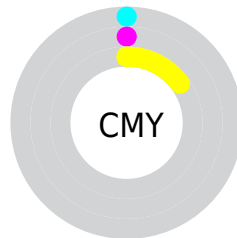
- Red (100%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 18.721, 107.627 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, 18.721, 107.627 by changing the saturation by 10% instead.


 99, 18.721,
107.627


 99, 18.721,
107.627

 100, 18.721,
107.627


 89, 18.721,
107.627


 79, 18.721,
107.627

 69, 18.721,
107.627

 59, 18.721,
107.627

 49, 18.721,
107.627

 39, 18.721,
107.627

 29, 18.721,

107.627

■ 19, 18.721,
107.627

■ 9, 18.721, 107.627

■ 99, 18.721,
107.627

■ 99, 18.721,
107.627

■ 98, 31.275,
107.004

■ 100, 6.057,
108.982

■ 98, 43.602,
106.017

■ 100, 0.012,
296.813

■ 97, 55.522,
105.060

■ 97, 66.751,
104.161

■ 97, 76.866,
103.352

■ 96, 85.293,
102.671

■ 96, 91.392,
102.155

■ 96, 94.735,
101.821

■ 96, 95.611,
101.703

Harmonies

Complementary

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



99, 18.721, 107.627



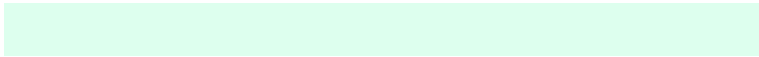
88, 19.348, 291.097

Rectangle

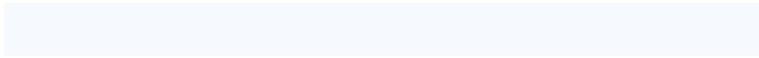
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 18.721, 107.627



99, 18.721, 157.627



99, 18.721, 287.627



99, 18.721, 337.627

Sweetspot

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



99, 18.722, 108.000



100, 5.069, 109.056



90, 13.930, 17.721



53, 3.603, 108.985



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, 18.722, 108.000



99, 22.783, 107.680



98, 20.192, 127.212



53, 7.209, 108.522



74, 77.027, 101.723



26, 35.034, 102.018

Inverse Universe

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



88, 19.348, 291.097



85, 23.720, 291.508



89, 20.640, 308.601



49, 7.367, 290.472



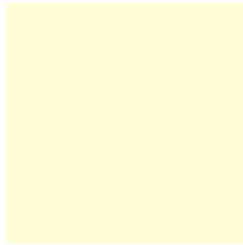
23, 106.975, 306.082



4, 43.563, 301.467

Previews

White Background



This preview shows how the CIE LCh color 99, 18.721, 107.627 looks on a white background.

Color Contrast Check

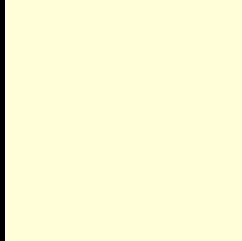
Large Text (above 18pt) WCAG AA × Fail

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, 18.721, 107.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

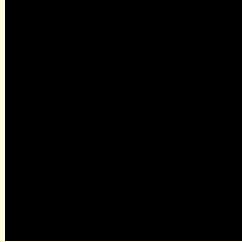
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 18.721, 107.627

Background



This preview shows how black text looks on a background with the CIELCh color 99, 18.721, 107.627.

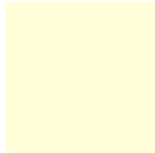


This preview shows how white text looks on a background with the CIELCh color 99, 18.721, 107.627.

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, 18.721, 107.627



Protanopia
99, 4.181, 95.099

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.311, 317.261

Trichromacy



Original Color
99, 18.721, 107.627



Protanomaly
99, 9.652, 105.161

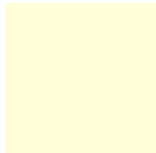


Deuteranomaly
99, 7.172, 101.013

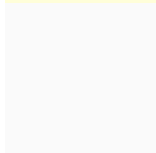


Tritanomaly
99, 5.616, 102.454

Monochromacy



Original Color
99, 18.721, 107.627



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 7.102, 109.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 18.721, 107.627 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, 254, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 217)  
}
```

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, 254, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 18.721, 107.627 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, 254, 217) }
```

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

```
.border{ border-color:rgb(255, 254, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 18.721, 107.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 217) }
```

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

```
.background{ background-color: rgb(255,  
254, 217) }
```

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