

Converting Colors

CIELCh(99, 21.098, 108.580)

Have a look what the booklet for
CIELCh(99, 21.098, 108.580)
contains.

CIELCh(99, 21.222, 108.570)	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, 21.222, 108.570)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFD5
RGB	255, 255, 213
RGB Percent	100%, 100%, 84%
CMY	0.0007, 0.0006, 0.1653
CMYK	0.00, 0.00, 0.16, 0.00
HSL	60°, 99%, 92%
HSV	60°, 16%, 100%
XYZ	88.8734, 97.4360, 76.9647
YIQ	250.2120, 13.4820, -13.0620

Conversions

Conversions Part 2

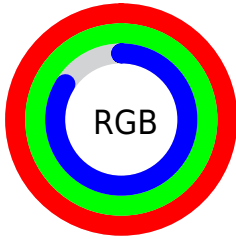
Format	Color
R_{YB}	213, 255, 213
Decimal	16777173
CIE _{Lab}	99.00, -6.76, 20.12
CIE _{LCh}	99, 21.222, 108.570
Yxy	97.4360, 0.3376, 0.3701
Android (android.graphics.Color)	4294967253 (0xFFFFFFFFD5)
YUV	250.2120, -18.3455, 4.1991
Hunter-Lab	98.7097, -12.0293, 22.8679

Details

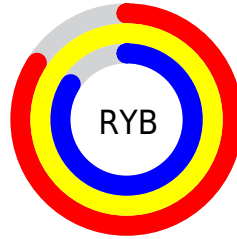
The CIELCh color **99, 21.222, 108.570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 22.048, 292.009**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 21.170, 108.234** is the 20% darker color. If you saturate the color by 10%, you get **99, 33.943, 107.598**, and if you desaturate by 10%, it is **100, 8.361, 109.548**.

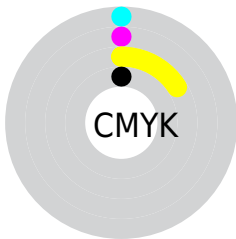
Distribution



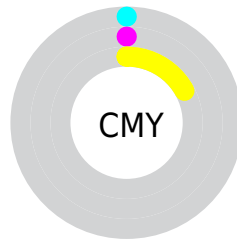
- Red (100%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 21.222, 108.570 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, 21.222, 108.570 by changing the saturation by 10% instead.


 99, 21.222,
108.570


 99, 21.222,
108.570

 100, 21.222,
108.570


 89, 21.222,
108.570

 79, 21.222,
108.570

 69, 21.222,
108.570

 59, 21.222,
108.570

 49, 21.222,
108.570

 39, 21.222,
108.570

 29, 21.222,

108.570

■ 19, 21.222,
108.570

■ 9, 21.222, 108.570

■ 99, 21.222,
108.570

■ 99, 21.222,
108.570

■ 99, 33.943,
107.598

■ 100, 8.361,
109.548

■ 98, 46.389,
106.636

100, 0.094,
291.273

■ 98, 58.361,
105.715

100, 0.094,
292.035

■ 98, 69.549,
104.863

100, 0.094,
292.795

■ 97, 79.501, 100, 0.094,
104.119 293.555

■ 97, 87.625, 100, 0.094,
103.522 294.313

■ 97, 93.315, 100, 0.094,
103.112 295.069

■ 97, 96.255, 100, 0.095,
102.904 295.823

■ 97, 96.864, 100, 0.095,
102.861 296.575

Harmonies

Complementary

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



99, 21.222, 108.570



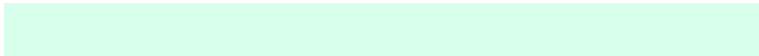
86, 22.048, 292.009

Rectangle

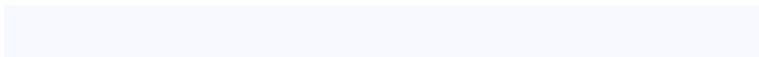
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 21.222, 108.570



99, 21.222, 158.570



99, 21.222, 288.570



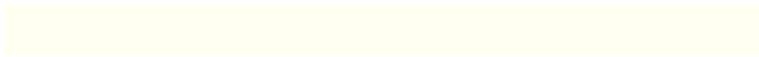
99, 21.222, 338.570

Sweetspot

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



99, 21.224, 108.575



100, 6.453, 109.689



89, 15.651, 20.526



53, 4.403, 109.622



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

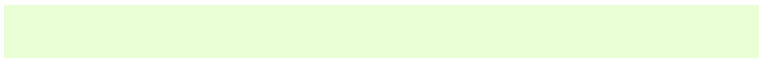
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 21.224, 108.575



99, 25.735, 108.231



98, 22.684, 128.322



53, 7.338, 109.256



75, 78.056, 102.861



26, 35.525, 103.001

Inverse Universe

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



86, 22.048, 292.009



84, 26.967, 292.468



88, 23.205, 309.832



49, 7.504, 291.179



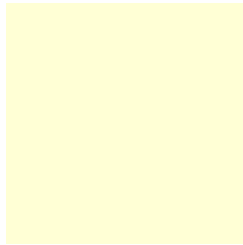
23, 107.780, 306.288



3, 44.127, 301.761

Previews

White Background



This preview shows how the CIE LCh color 99, 21.222, 108.570 looks on a white background.

Color Contrast Check

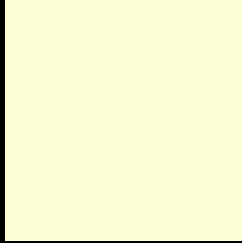
Large Text (above 18pt) WCAG AA × Fail

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, 21.222, 108.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

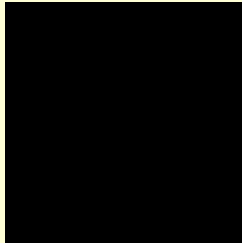
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 21.222, 108.570

Background



This preview shows how black text looks on a background with the CIELCh color 99, 21.222, 108.570.



This preview shows how white text looks on a background with the CIELCh color 99, 21.222, 108.570.

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, 21.222, 108.570



Protanopia
99, 4.181, 95.099

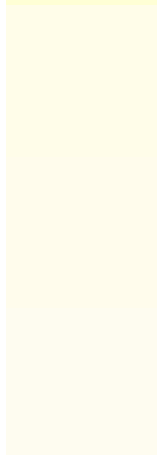
Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.311, 317.261

Trichromacy



Original Color
99, 21.222, 108.570



Protanomaly
99, 10.157, 105.331

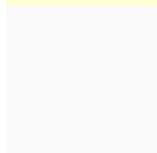
Deuteranomaly
99, 8.177, 101.981

Tritanomaly
99, 6.120, 103.010

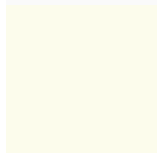
Monochromacy



Original Color
99, 21.222, 108.570



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 8.117, 109.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 21.222, 108.570 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 21.222, 108.570 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, 213) }
```

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

```
.border{ border-color:rgb(255, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 21.222, 108.570 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
255, 213) }
```

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