

Converting Colors

CIELCh(99, 19.686, 106.603)

Have a look what the booklet for
CIELCh(99, 19.686, 106.603)
contains.

CIELCh(99, 19.728, 107.605)	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, 19.728, 107.605)

Conversions

Conversions Part 1

Format	Color
Hex	FFFED7
RGB	255, 254, 215
RGB Percent	100%, 100%, 84%
CMY	0.0000, 0.0022, 0.1552
CMYK	0.00, 0.00, 0.16, 0.00
HSL	59°, 100%, 92%
HSV	59°, 16%, 100%
XYZ	89.3058, 97.4360, 78.6790
YIQ	249.8530, 13.1150, -11.9170

Conversions

Conversions Part 2

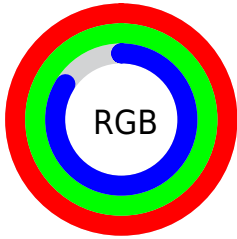
Format	Color
R_{YB}	216, 255, 215
Decimal	16776919
CIE _{Lab}	99.00, -5.97, 18.80
CIE _{LCh}	99, 19.728, 107.605
Yxy	97.4360, 0.3365, 0.3671
Android (android.graphics.Color)	4294966999 (0xFFFFFED7)
YUV	249.8530, -17.1825, 4.5139
Hunter-Lab	98.7097, -11.2474, 21.8382

Details

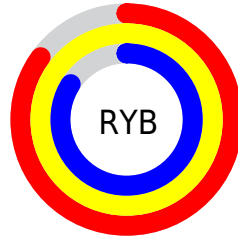
The CIELCh color **99, 19.728, 107.605** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 20.428, 291.341**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 19.613, 107.225** is the 20% darker color. If you saturate the color by 10%, you get **98, 32.314, 107.096**, and if you desaturate by 10%, it is **100, 7.022, 109.069**.

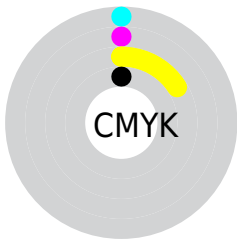
Distribution



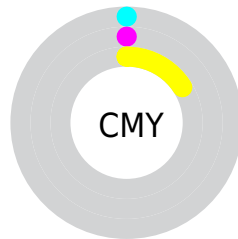
- Red (100%)
- Green (100%)
- Blue (84%)



- Red (85%)
- Yellow (100%)
- Blue (84%)



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




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 19.728, 107.605 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, 19.728, 107.605 by changing the saturation by 10% instead.


 99, 19.728,
107.605


 99, 19.728,
107.605

 100, 19.728,
107.605

 89, 19.728,
107.605

 79, 19.728,
107.605

 69, 19.728,
107.605

 59, 19.728,
107.605

 49, 19.728,
107.605

 39, 19.728,
107.605

 29, 19.728,

107.605

■ 19, 19.728,
107.605

■ 9, 19.728, 107.605

■ 99, 19.728,
107.605

■ 99, 19.728,
107.605

■ 98, 32.314,
107.096

■ 100, 7.022,
109.069

■ 98, 44.657,
106.115

100, 0.012,
296.813

■ 97, 56.569,
105.167

■ 97, 67.759,
104.280

■ 97, 77.790,
103.489

■ 97, 86.078,
102.831

■ 96, 91.991,
102.345

■ 96, 95.141,
102.045

■ 96, 95.887,
101.954

Harmonies

Complementary

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



99, 19.728, 107.605



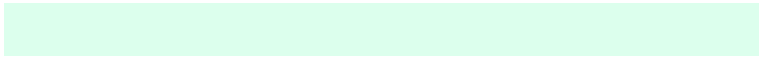
87, 20.428, 291.341

Rectangle

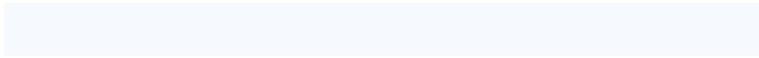
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 19.728, 107.605



99, 19.728, 157.605



99, 19.728, 287.605



99, 19.728, 337.605

Sweetspot

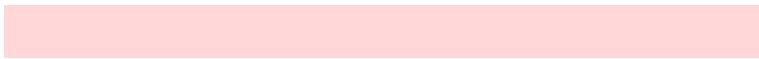
The Sweet Spot groups the original color and five complimentary colors.



99, 19.729, 108.088



100, 6.363, 109.119



89, 14.674, 19.117



53, 4.342, 109.051



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, 19.729, 108.088



99, 24.130, 107.742



98, 21.284, 127.775



53, 7.237, 108.681



74, 77.246, 101.969



26, 35.139, 102.231

Inverse Universe

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



87, 20.428, 291.341



85, 25.191, 291.791



89, 21.762, 309.213



49, 7.396, 290.625



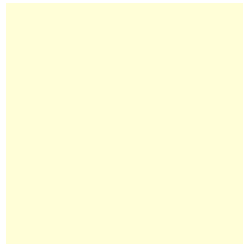
23, 107.148, 306.126



3, 43.684, 301.531

Previews

White Background



This preview shows how the CIE LCh color 99, 19.728, 107.605 looks on a white background.

Color Contrast Check

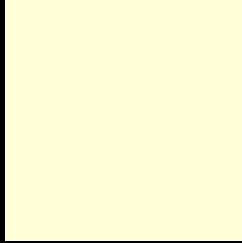
Large Text (above 18pt) WCAG AA × Fail

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, 19.728, 107.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

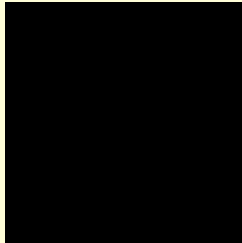
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 19.728, 107.605

Background



This preview shows how black text looks on a background with the CIELCh color 99, 19.728, 107.605.

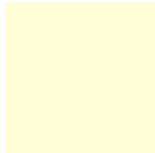


This preview shows how white text looks on a background with the CIELCh color 99, 19.728, 107.605.

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, 19.728, 107.605



Protanopia
99, 4.181, 95.099

Deuteranopia
99, 1.487, 38.999

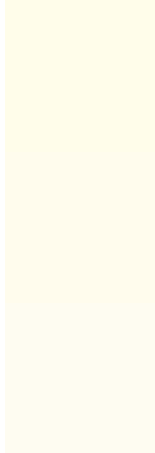
Tritanopia

99, 2.311, 317.261

Trichromacy



Original Color
99, 19.728, 107.605



Protanomaly
99, 9.652, 105.161

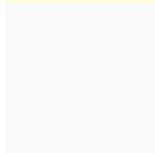
Deuteranomaly
99, 7.674, 101.531

Tritanomaly
99, 5.616, 102.454

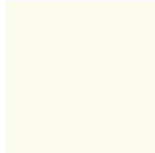
Monochromacy



Original Color
99, 19.728, 107.605



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 7.610, 109.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 19.728, 107.605 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 19.728, 107.605 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, 215) }
```

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

```
.border{ border-color:rgb(255, 254, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 19.728, 107.605 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
254, 215) }
```

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](#).

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