

Converting Colors

CIELCh(100, 20.909, 114.408)

Have a look what the booklet for
CIELCh(100, 20.909, 114.408)
contains.

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Color

CIElCh(99, 18.728, 111.015)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FDFFDA</code>
RGB	<code>253, 255, 218</code>
RGB Percent	<code>99%, 100%, 85%</code>
CMY	<code>0.0080, 0.0001, 0.1452</code>
CMYK	<code>0.01, 0.00, 0.15, 0.00</code>
HSL	<code>63°, 100%, 93%</code>
HSV	<code>63°, 15%, 100%</code>
XYZ	<code>88.8965, 97.4360, 80.4301</code>
YIQ	<code>250.1840, 10.6850, -11.9310</code>

Conversions

Conversions Part 2

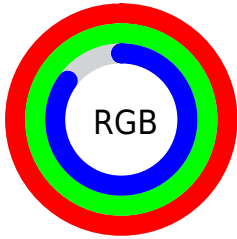
Format	Color
R _Y B	218, 255, 220
Decimal	16646106
CIE Lab	99.00, -6.72, 17.48
CIE LCh	99, 18.728, 111.015
Yxy	97.4360, 0.3332, 0.3653
Android (android.graphics.Color)	4294836186 (0xFFFDFFDA)
YUV	250.1840, -15.8667, 2.4696
Hunter-Lab	98.7097, -11.9875, 20.7864

Details

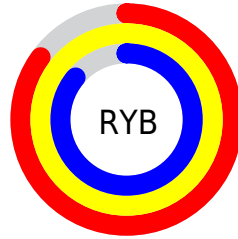
The CIELCh color **99, 18.728, 111.015** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **88, 19.366, 293.744**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 18.565, 110.884** is the 20% darker color. If you saturate the color by 10%, you get **98, 31.504, 110.125**, and if you desaturate by 10%, it is **100, 5.829, 111.906**.

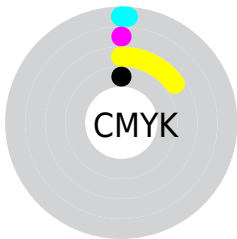
Distribution



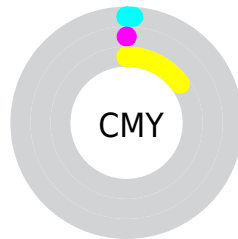
- Red (99%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 18.728, 111.015 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, 18.728, 111.015 by changing the saturation by 10% instead.


 99, 18.728,
111.015


 99, 18.728,
111.015


 100, 18.728,
111.015


 89, 18.728,
111.015

 79, 18.728,
111.015

 69, 18.728,
111.015

 59, 18.728,
111.015

 49, 18.728,
111.015

 39, 18.728,
111.015

 29, 18.728,

111.015

■ 19, 18.728,
111.015

■ 9, 18.728, 111.015

■ 99, 18.728,
111.015

■ 99, 18.728,
111.015

■ 98, 31.504,
110.125

■ 100, 5.829,
111.906

■ 98, 44.033,
109.240

100, 0.027,
312.958

■ 97, 56.134,
108.393

■ 97, 67.524,
107.615

■ 97, 77.785,
106.951

■ 97, 86.353,
106.455

■ 96, 92.605,
106.183

■ 96, 96.129,
106.175

■ 96, 97.131,
106.260

Harmonies

Complementary

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



99, 18.728, 111.015



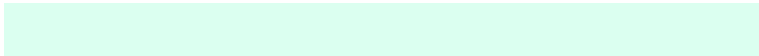
88, 19.366, 293.744

Rectangle

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



99, 18.728, 111.015



99, 18.728, 161.015



99, 18.728, 291.015



99, 18.728, 341.015

Sweetspot

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



99, 18.730, 111.021



100, 5.167, 111.950



91, 13.037, 24.471



53, 3.673, 111.885



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

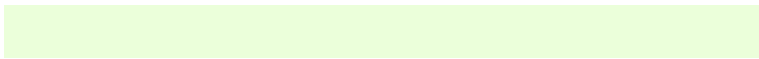
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 18.730, 111.021



99, 21.925, 110.798



98, 20.227, 130.163



53, 7.346, 111.467



74, 78.234, 106.202



26, 35.561, 105.991

Inverse Universe

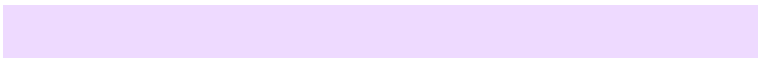
The Inverse Universe completely reimagines the original color for something new.



88, 19.366, 293.744



86, 22.803, 294.025



90, 20.592, 311.431



49, 7.512, 293.214



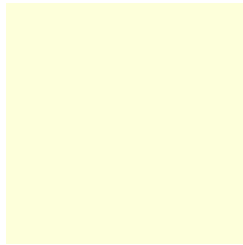
23, 107.511, 306.440



4, 44.258, 302.845

Previews

White Background



This preview shows how the CIELCh color 99, 18.728, 111.015 looks on a white background.

Color Contrast Check

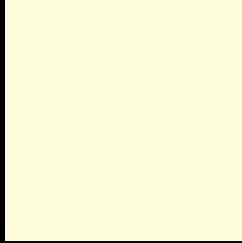
Large Text (above 18pt) WCAG AA × Fail

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, 18.728, 111.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

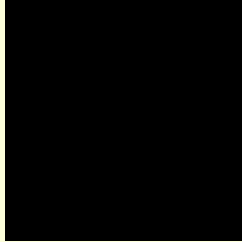
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 18.728, 111.015

Background



This preview shows how black text looks on a background with the CIELCh color 99, 18.728, 111.015.

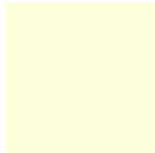


This preview shows how white text looks on a background with the CIELCh color 99, 18.728, 111.015.

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, 18.728, 111.015



Protanopia
99, 3.691, 93.151

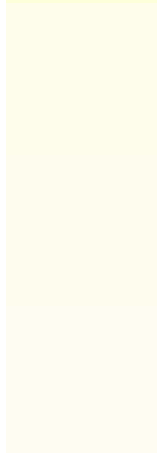
Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.311, 317.261

Trichromacy



Original Color
99, 18.728, 111.015



Protanomaly
99, 9.128, 107.224

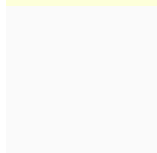
Deuteranomaly
99, 7.130, 103.869

Tritanomaly
99, 5.113, 101.781

Monochromacy



Original Color
99, 18.728, 111.015



Achromatopsia
98, 0.011, 296.813



Achromatomaly
99, 7.116, 112.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 18.728, 111.015 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(253, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 218)  
}
```

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(253, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 18.728, 111.015 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(253, 255, 218) }
```

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

```
.border{ border-color:rgb(253, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 18.728, 111.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 218) }
```

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

```
.background{ background-color: rgb(253,  
255, 218) }
```

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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