

Converting Colors

CIELCh(100, 13.699, 77.468)

Have a look what the booklet for
CIELCh(100, 13.699, 77.468)
contains.

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Color

CIELCh(99, 11.708, 103.949)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDE6
RGB	255, 253, 230
RGB Percent	100%, 99%, 90%
CMY	0.0000, 0.0077, 0.0980
CMYK	0.00, 0.01, 0.10, 0.00
HSL	55°, 100%, 95%
HSV	55°, 10%, 100%
XYZ	91.0371, 97.4360, 88.8770
YIQ	250.9760, 8.5750, -6.7290

Conversions

Conversions Part 2

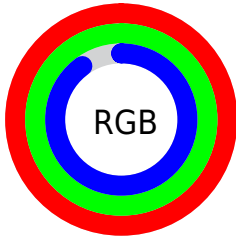
Format	Color
R_{YB}	232, 255, 230
Decimal	16776678
CIE _{Lab}	99.00, -2.82, 11.36
CIE _{LCh}	99, 11.708, 103.949
Yxy	97.4360, 0.3282, 0.3513
Android (android.graphics.Color)	4294966758 (0xFFFFFDE6)
YUV	250.9760, -10.3412, 3.5290
Hunter-Lab	98.7097, -8.1165, 15.7128

Details

The CIELCh color **99, 11.708, 103.949** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 11.913, 287.902**, and the grayscale version is **99, 0.012, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 11.715, 105.349** is the 20% darker color. If you saturate the color by 10%, you get **98, 23.594, 104.740**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

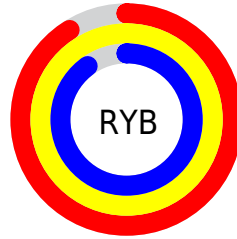
Distribution



Red (100%)

Green (99%)

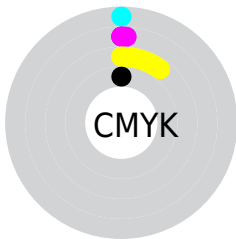
Blue (90%)



Red (91%)

Yellow (100%)

Blue (90%)

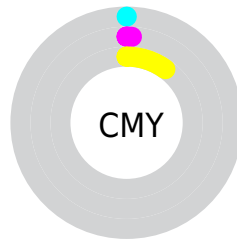


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 11.708, 103.949 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, 11.708, 103.949 by changing the saturation by 10% instead.


 99, 11.708,
103.949


 99, 11.708,
103.949


 100, 11.708,
103.949


 89, 11.708,
103.949

 79, 11.708,
103.949

 69, 11.708,
103.949

 59, 11.708,
103.949

 49, 11.708,
103.949

 39, 11.708,
103.949

 29, 11.708,

103.949

■ 19, 11.708,
103.949

■ 9, 11.708, 103.949

■ 99, 11.708,
103.949

■ 99, 11.708,
103.949

■ 98, 23.594,
104.740

100, 0.012,
296.813

■ 97, 35.403,
103.677

■ 96, 46.985,
102.617

■ 95, 58.133,
101.580

■ 94, 68.521,
100.586

■ 94, 77.654, 99.660

■ 93, 84.874, 98.827

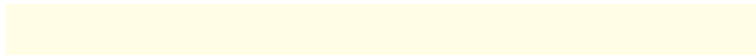
■ 93, 89.510, 98.099

■ 92, 91.471, 97.459

Harmonies

Complementary

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



99, 11.708, 103.949



92, 11.913, 287.902

Rectangle

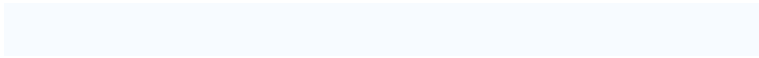
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 11.708, 103.949



99, 11.708, 153.949



99, 11.708, 283.949



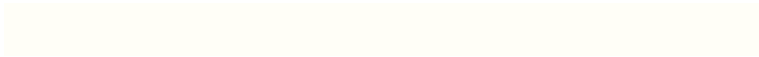
99, 11.708, 333.949

Sweetspot

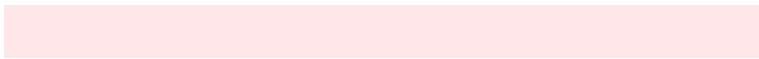
The Sweet Spot groups the original color and five complimentary colors.



99, 11.684, 105.789



100, 3.568, 106.472



93, 9.104, 13.244



53, 2.707, 106.396



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, 11.684, 105.789



99, 14.308, 105.561



99, 13.242, 125.638



53, 6.778, 105.820



71, 73.766, 97.546



24, 33.398, 98.415

Inverse Universe

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



92, 11.913, 287.902



91, 14.644, 288.168



93, 13.463, 306.588



49, 6.907, 287.868



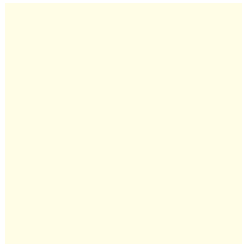
24, 104.152, 305.339



4, 41.625, 300.375

Previews

White Background



This preview shows how the CIE LCh color 99, 11.708, 103.949 looks on a white background.

Color Contrast Check

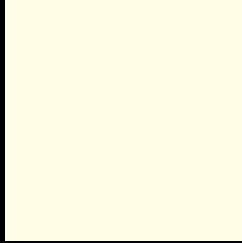
Large Text (above 18pt) WCAG AA × Fail

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, 11.708, 103.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

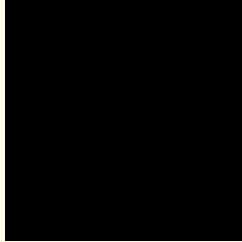
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 11.708, 103.949

Background



This preview shows how black text looks on a background with the CIELCh color 99, 11.708, 103.949.

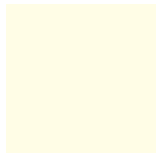


This preview shows how white text looks on a background with the CIELCh color 99, 11.708, 103.949.

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, 11.674, 105.730

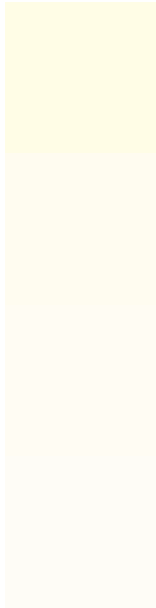


Protanopia
99, 3.691, 93.151

Deuteranopia
99, 1.487, 38.999

Tritanopia
99, 2.311, 317.261

Trichromacy



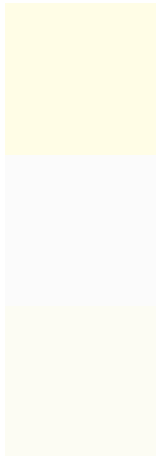
Original Color
99, 11.674, 105.730

Protanomaly
99, 6.169, 99.705

Deuteranomaly
99, 4.674, 96.630

Tritanomaly
99, 3.112, 96.790

Monochromacy



Original Color
99, 11.674, 105.730

Achromatopsia
99, 0.012, 296.813

Achromatomaly
99, 4.563, 109.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 11.708, 103.949 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, 253, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 230)  
}
```

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, 253, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 11.708, 103.949 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, 253, 230) }
```

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

```
.border{ border-color:rgb(255, 253, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 11.708, 103.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 230) }
```

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

```
.background{ background-color: rgb(255,  
253, 230) }
```

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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