

Converting Colors

CIELCh(100, 31.778, 112.191)

Have a look what the booklet for
CIELCh(100, 31.778, 112.191)
contains.

CIELCh(99, 29.235, 108.698)	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, 29.235, 108.698)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFC6
RGB	255, 255, 198
RGB Percent	100%, 100%, 78%
CMY	0.0002, 0.0000, 0.2239
CMYK	0.00, 0.00, 0.22, 0.00
HSL	60°, 100%, 89%
HSV	60°, 22%, 100%
XYZ	87.4557, 97.4360, 67.5591
YIQ	248.5020, 18.2970, -17.7270

Conversions

Conversions Part 2

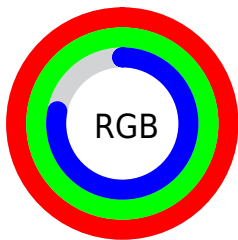
Format	Color
R _Y B	198, 255, 198
Decimal	16777158
CIE Lab	99.00, -9.37, 27.69
CIE LCh	99, 29.235, 108.698
Yxy	97.4360, 0.3464, 0.3860
Android (android.graphics.Color)	4294967238 (0xFFFFFFFFC6)
YUV	248.5020, -24.8975, 5.6987
Hunter-Lab	98.7097, -14.5929, 28.5174

Details

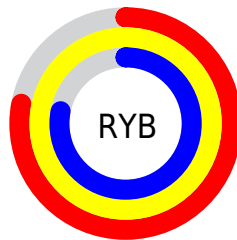
The CIELCh color **99, 29.235, 108.698** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 30.347, 292.828**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 28.476, 107.554** is the 20% darker color. If you saturate the color by 10%, you get **98, 41.368, 107.067**, and if you desaturate by 10%, it is **99, 15.987, 109.014**.

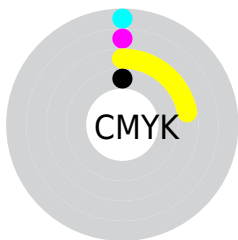
Distribution



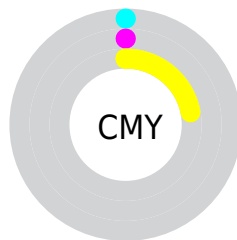
- Red (100%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 29.235, 108.698 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, 29.235, 108.698 by changing the saturation by 10% instead.

 99, 29.235,
108.698


 99, 29.235,
108.698

 100, 29.235,
108.698

 89, 29.235,
108.698

 79, 29.235,
108.698

 69, 29.235,
108.698

 59, 29.235,
108.698

 49, 29.235,
108.698

 39, 29.235,
108.698

 29, 29.235,

108.698

■ 19, 29.235,
108.698

■ 9, 29.235, 108.698

■ 99, 29.235,
108.698

■ 99, 29.235,
108.698

■ 98, 41.368,
107.067

■ 99, 15.987,
109.014

■ 98, 53.570,
106.128

■ 100, 3.085,
109.965

■ 98, 65.130,
105.245

■ 100, 0.012,
296.813

■ 97, 75.657,
104.454

■ 97, 84.610,
103.794

■ 97, 91.361,
103.307

■ 97, 95.428,
103.021

■ 97, 96.911,
102.920

Harmonies

Complementary

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



99, 29.235, 108.698



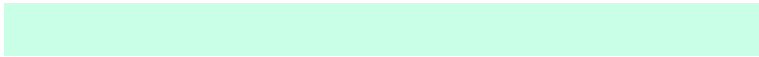
82, 30.347, 292.828

Rectangle

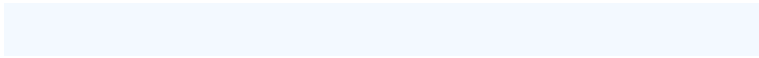
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 29.235, 108.698



99, 29.235, 158.698



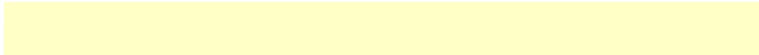
99, 29.235, 288.698



99, 29.235, 338.698

Sweetspot

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



99, 28.784, 108.037



100, 9.036, 109.536



85, 21.779, 21.089



53, 5.871, 109.478



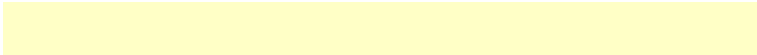
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

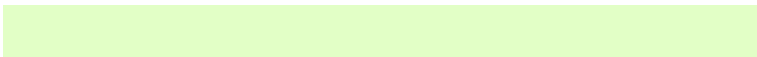
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 28.784, 108.037



99, 34.615, 107.588



97, 30.829, 128.034



53, 7.338, 109.294



75, 78.056, 102.919



26, 35.525, 103.053

Inverse Universe

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



82, 30.347, 292.828



78, 36.950, 293.494



84, 31.801, 310.137



49, 7.504, 291.214



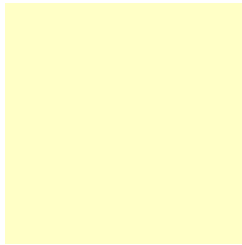
23, 107.776, 306.290



3, 44.130, 301.780

Previews

White Background



This preview shows how the CIE LCh color 99, 29.235, 108.698 looks on a white background.

Color Contrast Check

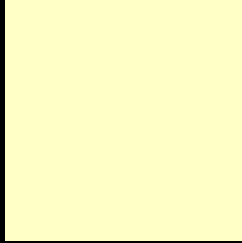
Large Text (above 18pt) WCAG AA × Fail

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, 29.235, 108.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

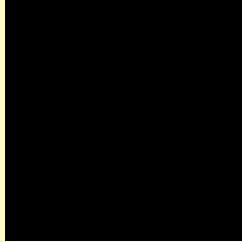
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 29.235, 108.698

Background



This preview shows how black text looks on a background with the CIELCh color 99, 29.235, 108.698.

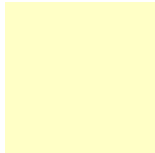


This preview shows how white text looks on a background with the CIELCh color 99, 29.235, 108.698.

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, 28.732, 107.994

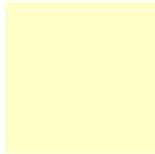


Protanopia
99, 5.257, 94.035

Deuteranopia
99, 2.059, 66.765

Tritanopia
99, 3.114, 324.451

Trichromacy



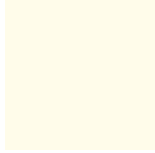
Original Color
99, 28.732, 107.994



Protanomaly
99, 13.727, 104.556



Deuteranomaly
99, 11.203, 103.755

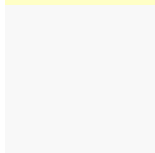


Tritanomaly
99, 9.185, 102.719

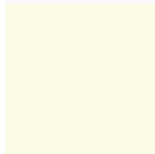
Monochromacy



Original Color
99, 28.732, 107.994



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 10.662, 109.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 29.235, 108.698 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 29.235, 108.698 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, 198) }
```

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

```
.border{ border-color:rgb(255, 255, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 29.235, 108.698 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
255, 198) }
```

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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