

Converting Colors

CIELCh(100, 26.133, 117.598)

Have a look what the booklet for
CIELCh(100, 26.133, 117.598)
contains.

CIELCh(99, 23.359, 113.891)	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, 23.359, 113.891)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFD2
RGB	250, 255, 210
RGB Percent	98%, 100%, 82%
CMY	0.0183, 0.0000, 0.1753
CMYK	0.02, 0.00, 0.18, 0.00
HSL	66°, 100%, 91%
HSV	66°, 18%, 100%
XYZ	87.4081, 97.4360, 75.3683
YIQ	248.3750, 11.4650, -15.0550

Conversions

Conversions Part 2

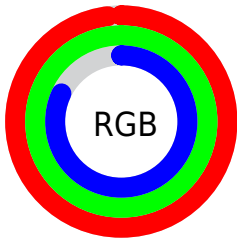
Format	Color
R_{YB}	210, 255, 215
Decimal	16449490
CIE _{Lab}	99.00, -9.46, 21.36
CIE _{LCh}	99, 23.359, 113.891
Yxy	97.4360, 0.3359, 0.3744
Android (android.graphics.Color)	4294639570 (0xFFFAFFD2)
YUV	248.3750, -18.9189, 1.4251
Hunter-Lab	98.7097, -14.6789, 23.8268

Details

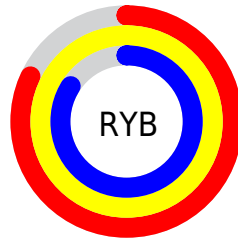
The CIELCh color **99, 23.359, 113.891** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 23.584, 295.885**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 22.845, 113.032** is the 20% darker color. If you saturate the color by 10%, you get **98, 35.411, 112.017**, and if you desaturate by 10%, it is **99, 9.754, 113.659**.

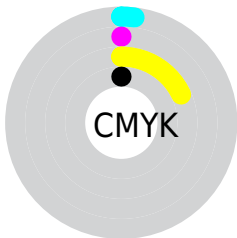
Distribution



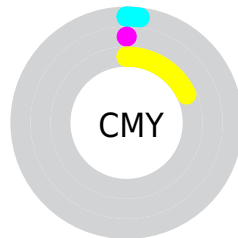
- Red (98%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 23.359, 113.891 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, 23.359, 113.891 by changing the saturation by 10% instead.


 99, 23.359,
113.891


 99, 23.359,
113.891


 100, 23.359,
113.891


 89, 23.359,
113.891

 79, 23.359,
113.891

 69, 23.359,
113.891

 59, 23.359,
113.891

 49, 23.359,
113.891

 39, 23.359,
113.891

 29, 23.359,

113.891

■ 19, 23.359,
113.891

■ 9, 23.359, 113.891

■ 99, 23.359,
113.891

■ 99, 23.359,
113.891

■ 98, 35.411,
112.017

■ 99, 9.754, 113.659

■ 97, 47.871,
111.213

100, 0.012,
296.813

■ 97, 59.832,
110.457

■ 96, 70.979,
109.791

■ 96, 80.851,
109.270

■ 96, 88.854,
108.962

■ 95, 94.393,
108.937

■ 95, 97.220,
109.231

■ 95, 97.686,
109.331

Harmonies

Complementary

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



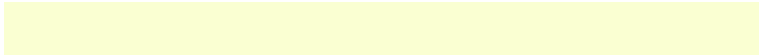
99, 23.359, 113.891



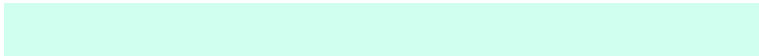
86, 23.584, 295.885

Rectangle

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



99, 23.359, 113.891



99, 23.359, 163.891



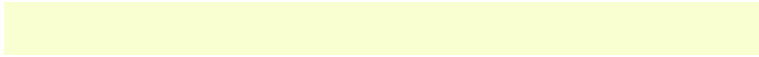
99, 23.359, 293.891



99, 23.359, 343.891

Sweetspot

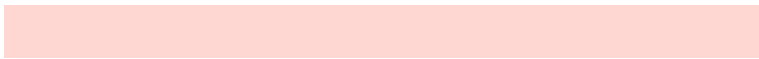
The Sweet Spot groups the original color and five complimentary colors.



99, 22.660, 112.839



100, 6.476, 113.863



89, 15.255, 29.128



53, 4.419, 113.806



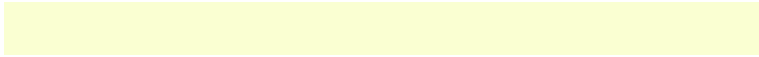
0, 0.000, 0.000



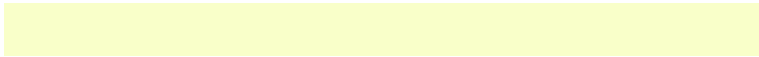
53, 0.007, 296.813

Same Dimension

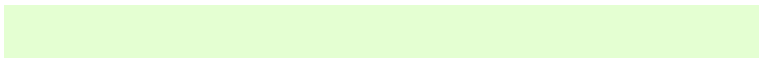
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 22.660, 112.839



98, 27.109, 112.553



97, 24.765, 131.716



53, 7.364, 113.498



74, 78.660, 109.223



25, 35.691, 108.707

Inverse Universe

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



86, 23.584, 295.885



83, 28.455, 296.260



88, 25.233, 313.238



49, 7.529, 295.092



23, 107.192, 306.626



4, 44.368, 303.794

Previews

White Background



This preview shows how the CIE LCh color 99, 23.359, 113.891 looks on a white background.

Color Contrast Check

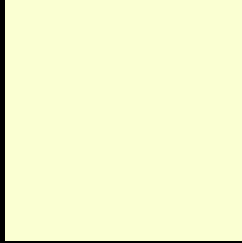
Large Text (above 18pt) WCAG AA × Fail

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, 23.359, 113.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

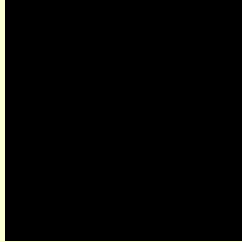
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 23.359, 113.891

Background



This preview shows how black text looks on a background with the CIELCh color 99, 23.359, 113.891.

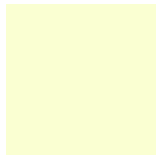


This preview shows how white text looks on a background with the CIELCh color 99, 23.359, 113.891.

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, 22.822, 113.120



Protanopia
99, 5.748, 95.352

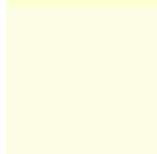
Deuteranopia
99, 2.022, 49.321

Tritanopia
99, 2.776, 312.500

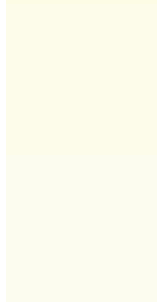
Trichromacy



Original Color
99, 22.822, 113.120



Protanomaly
98, 11.669, 107.507



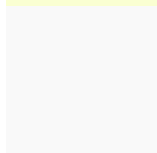
Deuteranomaly
99, 9.135, 107.221

Tritanomaly
99, 6.595, 109.669

Monochromacy



Original Color
99, 22.822, 113.120



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 8.164, 114.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 23.359, 113.891 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(250, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 210)  
}
```

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(250, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 23.359, 113.891 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(250, 255, 210) }
```

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

```
.border{ border-color:rgb(250, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 23.359, 113.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 210) }
```

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

```
.background{ background-color: rgb(250,  
255, 210) }
```

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