

Converting Colors

CIELCh(100, 21.307, 119.884)

Have a look what the booklet for
CIELCh(100, 21.307, 119.884)
contains.

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Color

CIElCh(99, 18.360, 115.678)

Conversions

Conversions Part 1

Format	Color
Hex	FAFFDC
RGB	250, 255, 220
RGB Percent	98%, 100%, 86%
CMY	0.0206, 0.0000, 0.1383
CMYK	0.02, 0.00, 0.14, 0.00
HSL	69°, 100%, 93%
HSV	69°, 14%, 100%
XYZ	88.2221, 97.4360, 81.6851
YIQ	249.5150, 8.2550, -11.9450

Conversions

Conversions Part 2

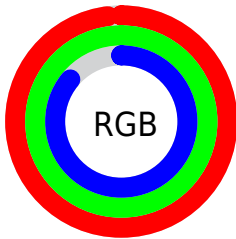
Format	Color
R _Y B	220, 255, 225
Decimal	16449500
CIE Lab	99.00, -7.96, 16.55
CIE LCh	99, 18.360, 115.678
Yxy	97.4360, 0.3300, 0.3645
Android (android.graphics.Color)	4294639580 (0xFFFAFFDC)
YUV	249.5150, -14.5509, 0.4253
Hunter-Lab	98.7097, -13.2069, 20.0326

Details

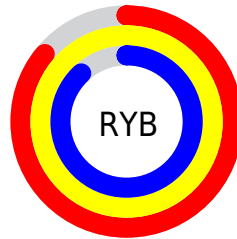
The CIELCh color **99, 18.360, 115.678** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 18.516, 297.144**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **79, 17.616, 114.886** is the 20% darker color. If you saturate the color by 10%, you get **98, 30.825, 114.206**, and if you desaturate by 10%, it is **100, 4.971, 115.722**.

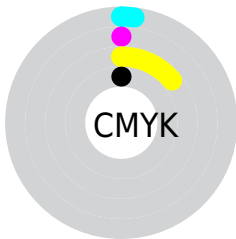
Distribution



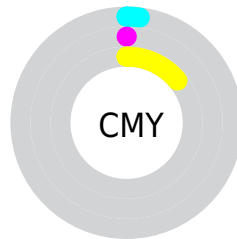
- Red (98%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (88%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 18.360, 115.678 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, 18.360, 115.678 by changing the saturation by 10% instead.

 99, 18.360,
115.678


 99, 18.360,
115.678

 100, 18.360,
115.678


 89, 18.360,
115.678

 79, 18.360,
115.678

 69, 18.360,
115.678

 59, 18.360,
115.678

 49, 18.360,
115.678

 39, 18.360,
115.678

 29, 18.360,

115.678

■ 19, 18.360,
115.678

■ 9, 18.360, 115.678

■ 99, 18.360,
115.678

■ 99, 18.360,
115.678

■ 98, 30.825,
114.206

■ 100, 4.971,
115.722

■ 97, 43.463,
113.452

100, 0.012,
296.813

■ 97, 55.695,
112.736

■ 96, 67.251,
112.097

■ 96, 77.730,
111.590

■ 95, 86.585,
111.289

■ 95, 93.198,
111.277

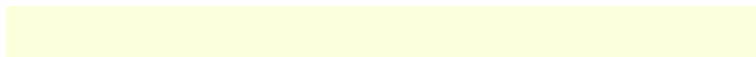
■ 95, 97.127,
111.622

■ 94, 98.427,
111.989

Harmonies

Complementary

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



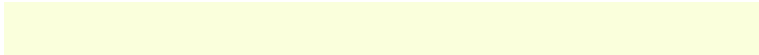
99, 18.360, 115.678



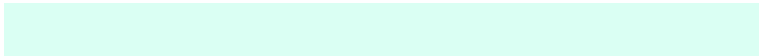
89, 18.516, 297.144

Rectangle

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



99, 18.360, 115.678



99, 18.360, 165.678



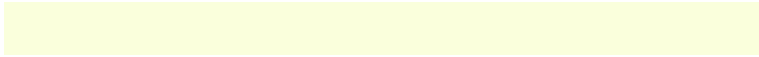
99, 18.360, 295.678



99, 18.360, 345.678

Sweetspot

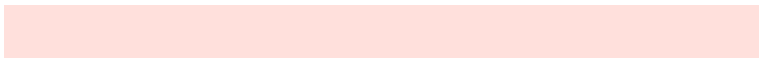
The Sweet Spot groups the original color and five complimentary colors.



99, 17.955, 114.969



100, 5.196, 115.710



92, 11.534, 32.202



53, 3.693, 115.654



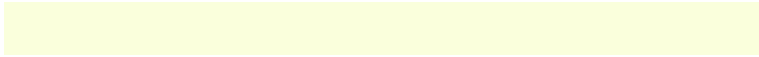
0, 0.000, 0.000



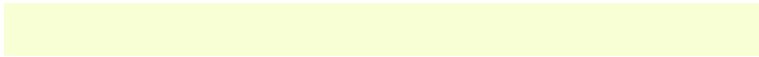
53, 0.007, 296.813

Same Dimension

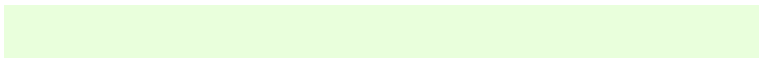
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 17.955, 114.969



99, 22.055, 114.727



98, 19.700, 132.993



53, 7.388, 115.297



73, 79.239, 111.840



25, 35.881, 111.077

Inverse Universe

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



89, 18.516, 297.144



87, 22.906, 297.440



90, 19.970, 314.164



49, 7.550, 296.763



24, 106.788, 306.867



4, 44.458, 304.602

Previews

White Background



This preview shows how the CIELCh color 99, 18.360, 115.678 looks on a white background.

Color Contrast Check

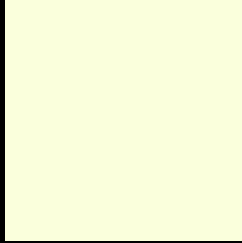
Large Text (above 18pt) WCAG AA × Fail

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, 18.360, 115.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

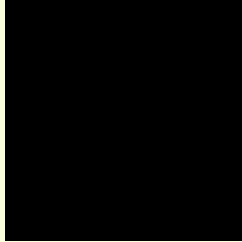
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 18.360, 115.678

Background



This preview shows how black text looks on a background with the CIELCh color 99, 18.360, 115.678.

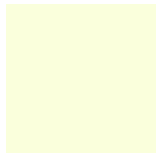


This preview shows how white text looks on a background with the CIELCh color 99, 18.360, 115.678.

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, 17.814, 114.738

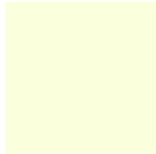


Protanopia
99, 4.285, 90.474

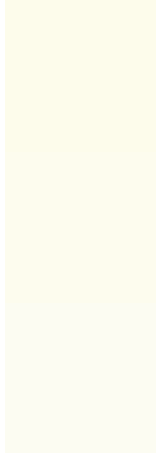
Deuteranopia
99, 1.723, 55.170

Tritanopia
99, 2.171, 309.072

Trichromacy



Original Color
99, 17.814, 114.738



Protanomaly
99, 8.628, 107.130

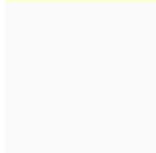
Deuteranomaly
99, 7.107, 106.746

Tritanomaly
99, 5.071, 109.780

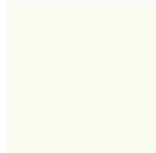
Monochromacy



Original Color
99, 17.814, 114.738



Achromatopsia
98, 0.011, 296.813



Achromatomaly
98, 6.647, 115.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 18.360, 115.678 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 18.360, 115.678 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, 220) }
```

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

```
.border{ border-color:rgb(250, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 18.360, 115.678 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, 220) }
```

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

```
.background{ background-color: rgb(250,  
255, 220) }
```

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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