

Converting Colors

CIELCh(100, 7.987, 132.994)

Have a look what the booklet for
CIELCh(100, 7.987, 132.994)
contains.

CIELCh(99, 6.462, 128.884)	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, 6.462, 128.884)

Conversions

Conversions Part 1

Format	Color
Hex	F8FEF2
RGB	248, 254, 242
RGB Percent	97%, 100%, 95%
CMY	0.0266, 0.0031, 0.0501
CMYK	0.02, 0.00, 0.05, 0.00
HSL	90°, 88%, 97%
HSV	90°, 5%, 100%
XYZ	90.3549, 97.4360, 98.2200
YIQ	250.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

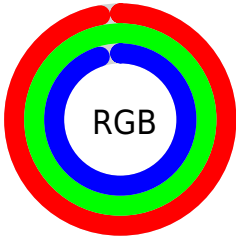
Format	Color
R _Y B	242, 254, 248
Decimal	16318194
CIE Lab	99.00, -4.06, 5.03
CIE LCh	99, 6.462, 128.884
Yxy	97.4360, 0.3159, 0.3407
Android (android.graphics.Color)	4294508274 (0xFF8FEF2)
YUV	250.8380, -4.3571, -2.4889
Hunter-Lab	98.7097, -9.3501, 10.1009

Details

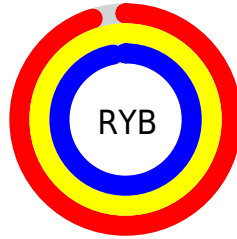
The CIELCh color 99, 6.462, 128.884 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 6.525, 309.263, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 6.160, 127.229 is the 20% darker color. If you saturate the color by 10%, you get 98, 20.218, 128.415, and if you desaturate by 10%, it is 100, 0.496, 323.835.

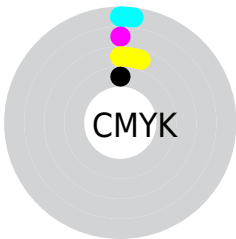
Distribution



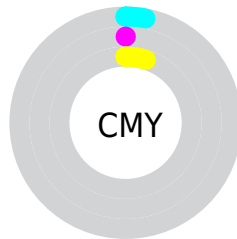
- Red (97%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (97%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 6.462, 128.884 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, 6.462, 128.884 by changing the saturation by 10% instead.

 99, 6.462, 128.884

 99, 6.462, 128.884

 100, 6.462,
128.884

 89, 6.462, 128.884

 79, 6.462, 128.884

 69, 6.462, 128.884

 59, 6.462, 128.884

 49, 6.462, 128.884

 39, 6.462, 128.884

 29, 6.462, 128.884

 19, 6.462, 128.884

 9, 6.462, 128.884

99, 6.462, 128.884

99, 6.462, 128.884

98, 20.218,
128.415

100, 0.496,
323.835

96, 33.934,
127.927

95, 47.478,
127.435

94, 60.657,
126.968

93, 73.190,
126.577

92, 84.673,
126.340

91, 94.565,
126.372

90, 102.262,
126.803

■ 90,107.349,
127.735

Harmonies

Complementary

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



99, 6.462, 128.884



96, 6.525, 309.263

Rectangle

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



99, 6.462, 128.884



99, 6.462, 178.884



99, 6.462, 308.884



99, 6.462, 358.884

Sweetspot

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



99, 6.465, 128.891



100, 1.363, 129.137



98, 3.702, 74.725



53, 0.774, 129.144



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, 6.465, 128.891



99, 8.245, 128.829



99, 7.457, 144.213



53, 5.470, 128.798



69, 87.906, 128.091



23, 39.106, 126.541

Inverse Universe

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



96, 6.525, 309.263



96, 8.330, 309.326



97, 7.478, 324.661



51, 5.530, 309.357



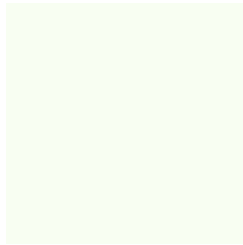
30, 100.528, 311.875



6, 44.900, 312.883

Previews

White Background



This preview shows how the CIE LCh color 99, 6.462, 128.884 looks on a white background.

Color Contrast Check

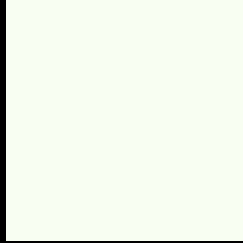
Large Text (above 18pt) WCAG AA × Fail

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, 6.462, 128.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

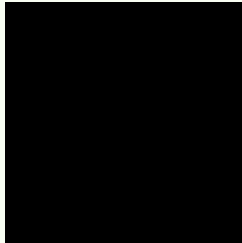
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 99, 6.462, 128.884

Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.462, 128.884.



This preview shows how white text looks on a background with the CIELCh color 99, 6.462, 128.884.

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, 6.467, 128.883



Protanopia

99, 2.732, 87.135

Deuteranopia

99, 1.406, 19.030

Tritanopia
99, 1.537, 290.342

Trichromacy



Original Color

99, 6.467, 128.883

Protanomaly

99, 4.052, 109.855

Deuteranomaly

99, 2.048, 100.089

Tritanomaly

99, 1.675, 134.743

Monochromacy



Original Color

99, 6.467, 128.883

Achromatopsia

99, 0.012, 296.813

Achromatomaly

99, 2.149, 129.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 99, 6.462, 128.884 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(248, 254, 242)` looks like.

```
.text, #text, p{  
    color:rgb(248, 254, 242)  
}
```

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(248, 254, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 254, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 99, 6.462, 128.884 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(248, 254, 242) }
```

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

```
.border{ border-color:rgb(248, 254, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 254, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 254, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 254, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 254,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 99, 6.462, 128.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 254, 242) }
```

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

```
.background{ background-color: rgb(248,  
254, 242) }
```

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