

# Converting Colors

CIELCh(100, 4.518, 238.210)

Have a look what the booklet for  
CIELCh(100, 4.518, 238.210)  
contains.

<b>CIELCh(99, 3.114, 199.421)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(99, 3.114, 199.421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FEFE
RGB	245, 254, 254
RGB Percent	96%, 100%, 100%
CMY	0.0393, 0.0040, 0.0040
CMYK	0.04, 0.00, 0.00, 0.00
HSL	180°, 82%, 98%
HSV	180°, 4%, 100%
XYZ	90.9737, 97.4360, 107.7620
YIQ	251.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

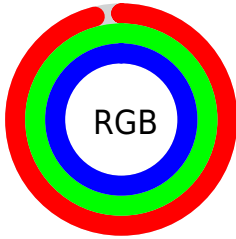
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 250, 254
Decimal	16121598
CIE Lab	99.00, -2.94, -1.04
CIE LCh	99, 3.114, 199.421
Yxy	97.4360, 0.3072, 0.3290
Android (android.graphics.Color)	4294311678 (0xFF5FEFE)
YUV	251.3090, 1.3267, -5.5330
Hunter-Lab	98.7097, -8.2312, 4.3695

# Details

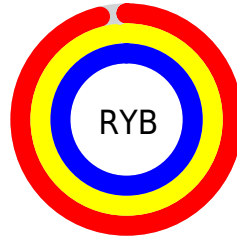
The CIELCh color 99, 3.114, 199.421 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 3.187, 19.378, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 2.903, 199.370 is the 20% darker color. If you saturate the color by 10%, you get 97, 11.614, 198.690, and if you desaturate by 10%, it is 100, 0.356, 16.992.

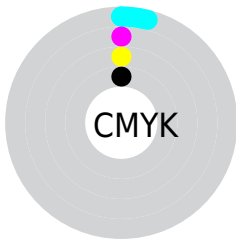
# Distribution



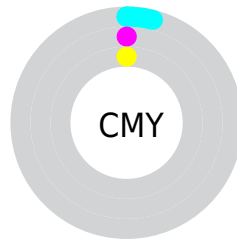
- Red (96%)
- Green (100%)
- Blue (100%)



- Red (96%)
- Yellow (98%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 3.114, 199.421 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, 3.114, 199.421 by changing the saturation by 10% instead.



 99, 3.114, 199.421

 99, 3.114, 199.421


 100, 3.114,  
199.421

 89, 3.114, 199.421


 79, 3.114, 199.421

 69, 3.114, 199.421

 59, 3.114, 199.421

 49, 3.114, 199.421

 39, 3.114, 199.421

 29, 3.114, 199.421

 19, 3.114, 199.421

 9, 3.114, 199.421

99, 3.114, 199.421

99, 3.114, 199.421

97, 11.614,  
198.690

100, 0.356, 16.992

100, 0.356, 16.096

96, 19.563,  
198.172

100, 0.357, 15.203

95, 26.814,  
197.718

100, 0.357, 14.311

100, 0.358, 13.423

93, 33.226,  
197.326

100, 0.359, 12.538

93, 38.668,  
196.998

100, 0.359, 11.656

92, 43.044,  
196.738

100, 0.360, 10.779

100, 0.361, 9.905

91, 46.306,  
196.544

91, 48.468,  
196.415

 91, 49.625,  
196.343

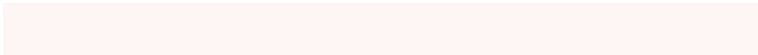
# Harmonies

# Complementary

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



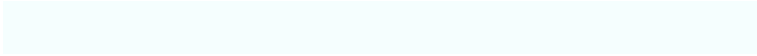
99, 3.114, 199.421



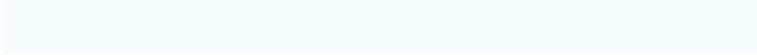
97, 3.187, 19.378

# Rectangle

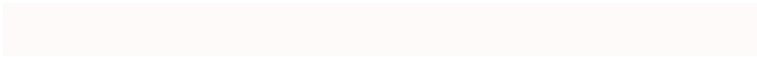
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



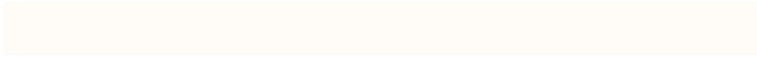
99, 3.114, 199.421



99, 3.114, 249.421



99, 3.114, 19.421



99, 3.114, 69.421

# Sweetspot

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



99, 3.115, 199.383



100, 0.886, 200.061



99, 5.556, 143.858



53, 0.504, 200.102



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

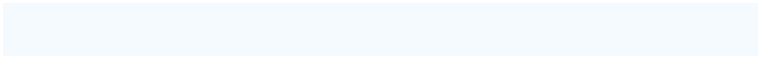
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 3.115, 199.383



99, 3.526, 199.333



98, 2.727, 254.193



53, 2.501, 199.262



70, 40.377, 196.320



24, 18.575, 196.328

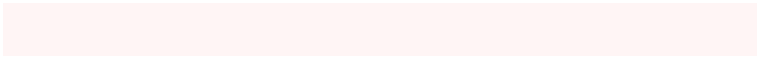


# Inverse Universe

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



97, 3.187, 19.378



97, 3.617, 19.431



98, 2.737, 73.002



51, 2.578, 19.508



40, 84.209, 39.983



10, 33.364, 27.159



# Previews

## White Background



This preview shows how the CIElCh color 99, 3.114, 199.421 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, 3.114, 199.421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

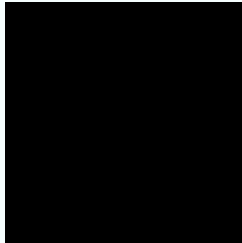
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 3.114, 199.421

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 3.114, 199.421.



This preview shows how white text looks on a background with the CIELCh color 99, 3.114, 199.421.

# 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, 3.116, 199.419

### Protanopia

99, 1.502, 359.268

### Deuteranopia

99, 1.748, 343.501



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 3.116, 199.419

**Protanomaly**

99, 0.621, 256.220

**Deuteranomaly**

99, 0.621, 256.220

**Tritanomaly**

99, 1.714, 236.231

# Monochromacy



**Original Color**

99, 3.116, 199.419



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.045, 199.967

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 3.114, 199.421 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(245, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(245, 254, 254)  
}
```

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(245, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 3.114, 199.421 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(245, 254, 254) }
```

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

```
.border{ border-color:rgb(245, 254, 254) }
```

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

Here you see how a box with a 4 pixel rgb(245, 254, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 3.114, 199.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 254, 254) }
```

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

```
.background{ background-color: rgb(245,  
254, 254) }
```

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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