

# Converting Colors

CIELCh(100, 8.417, 118.423)

Have a look what the booklet for  
CIELCh(100, 8.417, 118.423)  
contains.

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# **Color**

**CIELCh(99, 7.635, 114.958)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCFEEF
RGB	252, 254, 239
RGB Percent	99%, 100%, 94%
CMY	0.0134, 0.0056, 0.0644
CMYK	0.01, 0.00, 0.06, 0.01
HSL	68°, 84%, 97%
HSV	68°, 6%, 99%
XYZ	90.8160, 97.4360, 95.3634
YIQ	251.6920, 3.6230, -5.0890

# Conversions

## Conversions Part 2

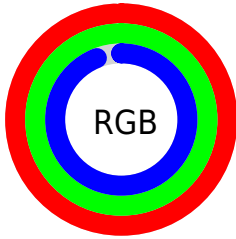
Format	Color
R <sub>Y</sub> B	239, 254, 241
Decimal	16580335
CIE Lab	99.00, -3.22, 6.92
CIE LCh	99, 7.635, 114.958
Yxy	97.4360, 0.3202, 0.3435
Android (android.graphics.Color)	4294770415 (0xFFFCFEED)
YUV	251.6920, -6.2572, 0.2701
Hunter-Lab	98.7097, -8.5163, 11.8167

# Details

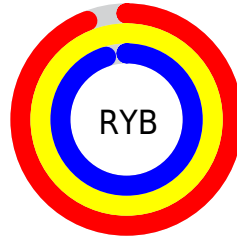
The CIELCh color 99, 7.635, 114.958 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 7.754, 295.893, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 7.487, 115.252 is the 20% darker color. If you saturate the color by 10%, you get 98, 20.529, 114.192, and if you desaturate by 10%, it is 100, 0.885, 323.464.

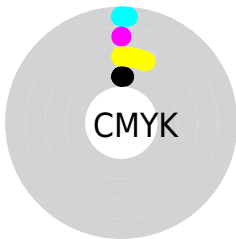
# Distribution



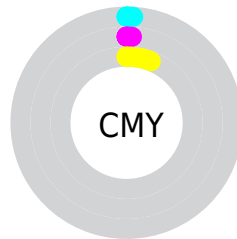
- Red (99%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (1%)
- Magenta (1%)
- Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 7.635, 114.958 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, 7.635, 114.958 by changing the saturation by 10% instead.



 99, 7.635, 114.958

 99, 7.635, 114.958

 100, 7.635,  
114.958

 89, 7.635, 114.958

 79, 7.635, 114.958

 69, 7.635, 114.958

 59, 7.635, 114.958

 49, 7.635, 114.958

 39, 7.635, 114.958

 29, 7.635, 114.958

 19, 7.635, 114.958

 9, 7.635, 114.958

99, 7.635, 114.958

99, 7.635, 114.958

98, 20.529,  
114.192

100, 0.885,  
323.464

97, 33.286,  
113.410

100, 0.892,  
324.126

97, 45.781,  
112.642


96, 57.822,  
111.918

96, 69.117,  
111.279

95, 79.237,  
110.783

95, 87.609,  
110.502

95, 93.625,  
110.516

 94, 96.932,  
110.879

# Harmonies

# Complementary

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



99, 7.635, 114.958



95, 7.754, 295.893

# Rectangle

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



99, 7.635, 114.958



99, 7.635, 164.958



99, 7.635, 294.958



99, 7.635, 344.958

# Sweetspot

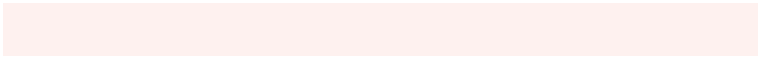
The Sweet Spot groups the original color and five complimentary colors.



99, 7.637, 114.969



100, 2.589, 115.264



96, 4.748, 31.978



53, 1.472, 115.272



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, 7.637, 114.969



99, 9.087, 114.885



98, 8.355, 133.362



53, 5.904, 114.839



73, 79.024, 110.966



25, 35.810, 110.284



# Inverse Universe

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



95, 7.754, 295.893



94, 9.243, 295.984



95, 8.420, 313.808



50, 6.012, 296.036



24, 106.937, 306.777



4, 44.429, 304.333



# Previews

## White Background



This preview shows how the CIE LCh color 99, 7.635, 114.958 looks on a white background.

## Color Contrast Check

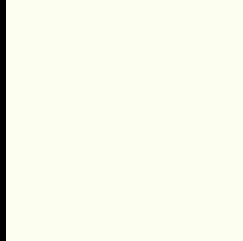
Large Text (above 18pt) WCAG AA × Fail

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, 7.635, 114.958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

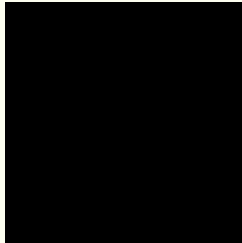
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 7.635, 114.958

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 7.635, 114.958.



This preview shows how white text looks on a background with the CIELCh color 99, 7.635, 114.958.

# 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



The image shows three vertical color swatches. The top swatch is a light yellow-green, representing the 'Original Color'. The middle swatch is a light orange, representing 'Protanopia'. The bottom swatch is a light pink, representing 'Deuteranopia'. To the right of each swatch is its corresponding label and a set of three numbers in blue text.

**Original Color**

99, 7.641, 114.956

**Protanopia**

99, 2.732, 87.135

**Deuteranopia**

99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy

## Original Color

99, 7.641, 114.956

## Protanomaly

99, 4.569, 105.367

## Deuteranomaly

99, 3.112, 96.790

## Tritanomaly

99, 2.055, 119.829

# Monochromacy

## Original Color

99, 7.641, 114.956

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 3.063, 116.534

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 7.635, 114.958 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(252, 254, 239)` looks like.

```
.text, #text, p{  
    color:rgb(252, 254, 239)  
}
```

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(252, 254, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 254, 239) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 7.635, 114.958 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(252, 254, 239) }
```

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

```
.border{ border-color:rgb(252, 254, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 254, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 254, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 254, 239);  
box-shadow:4px 4px 4px 4px rgb(252, 254,  
239) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 7.635, 114.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 254, 239) }
```

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

```
.background{ background-color: rgb(252,  
254, 239) }
```

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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