

# Converting Colors

CIELCh(100, 8.453, 21.281)

Have a look what the booklet for  
CIELCh(100, 8.453, 21.281) contains.

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# **Color**

**CIELCh(99, 1.825, 35.311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBFA
RGB	255, 251, 250
RGB Percent	100%, 98%, 98%
CMY	0.0000, 0.0153, 0.0192
CMYK	0.00, 0.02, 0.02, 0.00
HSL	12°, 100%, 99%
HSV	12°, 2%, 100%
XYZ	93.4472, 97.4360, 104.4070
YIQ	252.0820, 2.7050, 0.5370

# Conversions

## Conversions Part 2

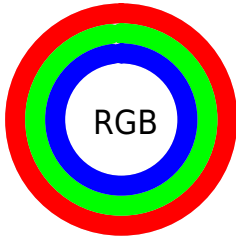
Format	Color
R <sub>Y</sub> B	255, 251, 250
Decimal	16776186
CIE Lab	99.00, 1.49, 1.05
CIE LCh	99, 1.825, 35.311
Yxy	97.4360, 0.3165, 0.3300
Android (android.graphics.Color)	4294966266 (0xFFFFBFA)
YUV	252.0820, -1.0264, 2.5591
Hunter-Lab	98.7097, -3.7582, 6.3847

# Details

The CIELCh color 99, 1.825, 35.311 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99, 1.441, 220.581, 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, 1.220, 44.900 is the 20% darker color. If you saturate the color by 10%, you get 93, 9.404, 39.771, and if you desaturate by 10%, it is 100, 0.012, 296.813.

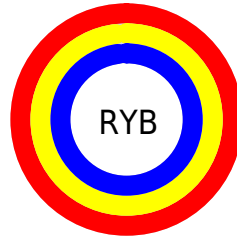
# Distribution



Red (100%)

Green (98%)

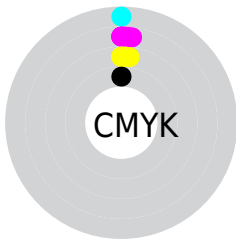
Blue (98%)



Red (100%)

Yellow (98%)

Blue (98%)

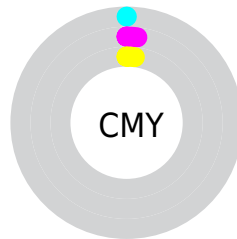


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 99, 1.825, 35.311 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, 1.825, 35.311 by changing the saturation by 10% instead.



 99, 1.825, 35.311

 99, 1.825, 35.311

 100, 1.825, 35.311

 89, 1.825, 35.311

 79, 1.825, 35.311

 69, 1.825, 35.311

 59, 1.825, 35.311

 49, 1.825, 35.311

 39, 1.825, 35.311

 29, 1.825, 35.311

 19, 1.825, 35.311

 9, 1.825, 35.311

99, 1.825, 35.311

99, 1.825, 35.311

93, 9.404, 39.771

100, 0.012,  
296.813

88, 18.030, 39.712

83, 27.387, 39.770

77, 37.506, 39.997

73, 48.369, 40.434

68, 59.880, 41.104

64, 71.783, 41.979

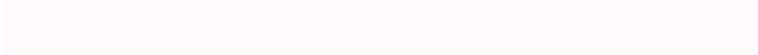
60, 83.487, 42.899

58, 93.672, 43.395

# Harmonies

# Complementary

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



99, 1.825, 35.311



99, 1.441, 220.581

# Rectangle

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



99, 1.825, 35.311



99, 1.825, 85.311



99, 1.825, 215.311



99, 1.825, 265.311

# Sweetspot

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



99, 1.453, 39.590



99, 0.752, 39.196



99, 2.653, 330.509



53, 0.428, 39.151



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, 1.453, 39.590



99, 1.513, 39.606



100, 1.799, 93.320



53, 0.860, 39.586



42, 79.818, 43.604




12, 29.904, 37.471





# Inverse Universe


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



99, 1.441, 220.581



99, 1.500, 220.565



99, 1.821, 274.076



53, 0.853, 220.585



58, 35.495, 236.805



19, 16.167, 231.404



# Previews

## White Background



This preview shows how the CIE LCh color 99, 1.825, 35.311 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, 1.825, 35.311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

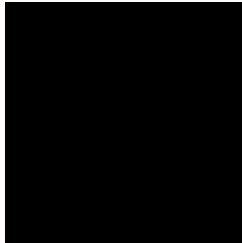
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 1.825, 35.311

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 1.825, 35.311.



This preview shows how white text looks on a background with the CIELCh color 99, 1.825, 35.311.

# 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, 1.487, 38.999

### Protanopia

99, 1.406, 19.030

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 2.171, 309.072



# Trichromacy

## Original Color

99, 1.487, 38.999

## Protanomaly

99, 1.406, 19.030

## Deuteranomaly

99, 1.406, 19.030

## Tritanomaly

99, 1.480, 335.467

# Monochromacy

## Original Color

99, 1.487, 38.999

## Achromatopsia

99, 0.012, 296.813

## Achromatomaly

99, 0.605, 74.599

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 1.825, 35.311 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(255, 251, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 250)  
}
```

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(255, 251, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 1.825, 35.311 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(255, 251, 250) }
```

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

```
.border{ border-color:rgb(255, 251, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 1.825, 35.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 250) }
```

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

```
.background{ background-color: rgb(255,  
251, 250) }
```

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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