

# Converting Colors

CIELCh(99, 1.480, 197.785)

Have a look what the booklet for  
CIELCh(99, 1.480, 197.785) contains.

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# **Color**

**CIELCh(99, 1.391, 199.790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9DFDF
RGB	249, 253, 253
RGB Percent	98%, 99%, 99%
CMY	0.0237, 0.0080, 0.0080
CMYK	0.02, 0.00, 0.00, 0.01
HSL	180°, 49%, 98%
HSV	180°, 2%, 99%
XYZ	91.8784, 97.4360, 106.8490
YIQ	251.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

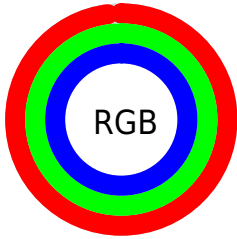
Format	Color
<a href="#">RYB</a>	<a href="#">249, 251, 253</a>
Decimal	<a href="#">16383485</a>
CIELab	<a href="#">99.00, -1.31, -0.47</a>
CIElCh	<a href="#">99, 1.391, 199.790</a>
Yxy	<a href="#">97.4360, 0.3102, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4294573565</a> ( <a href="#">0xFFFF9FDFD</a> )
YUV	<a href="#">251.8040, 0.5896, -2.4591</a>
Hunter-Lab	<a href="#">98.7097, -6.5953, 4.9179</a>

# Details

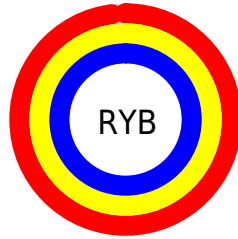
The CIELCh color 99, 1.391, 199.790 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98, 1.409, 18.949, and the grayscale version is 99, 0.012, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 79, 1.095, 199.817 is the 20% darker color. If you saturate the color by 10%, you get 97, 9.955, 198.749, and if you desaturate by 10%, it is 99, 0.718, 17.637.

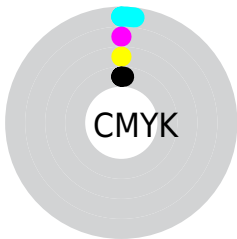
# Distribution



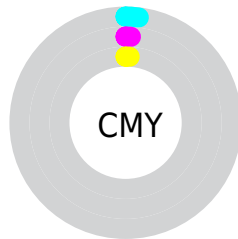
- Red (98%)
- Green (99%)
- Blue (99%)



- Red (98%)
- Yellow (98%)
- Blue (99%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 1.391, 199.790 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, 1.391, 199.790 by changing the saturation by 10% instead.



 99, 1.391, 199.790

 99, 1.391, 199.790

 100, 1.391,  
199.790

 89, 1.391, 199.790

 79, 1.391, 199.790

 69, 1.391, 199.790

 59, 1.391, 199.790

 49, 1.391, 199.790

 39, 1.391, 199.790

 29, 1.391, 199.790

 19, 1.391, 199.790

 9, 1.391, 199.790

99, 1.391, 199.790

99, 1.391, 199.790

97, 9.955, 198.749

99, 0.718, 17.637

96, 17.997,  
198.214

99, 0.719, 16.574

94, 25.375,  
197.745

99, 0.720, 15.512

93, 31.943,  
197.338

99, 0.721, 14.454

92, 37.570,  
196.994

99, 0.722, 13.400

92, 42.149,  
196.715


99, 0.724, 12.350

91, 45.623,  
196.503

99, 0.726, 11.305

91, 47.993,  
196.355

99, 0.728, 10.266

 91, 49.335,  
196.265

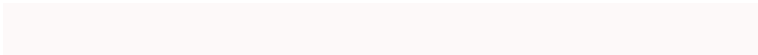
# Harmonies

# Complementary

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



99, 1.391, 199.790



98, 1.409, 18.949

# Rectangle

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



99, 1.391, 199.790



99, 1.391, 249.790



99, 1.391, 19.790



99, 1.391, 69.790

# Sweetspot

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



99, 1.392, 199.702

100, 0.012, 296.813



99, 2.464, 144.036



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



99, 1.392, 199.702



100, 1.770, 199.580



99, 1.220, 254.154



53, 1.006, 199.605



70, 40.395, 196.226



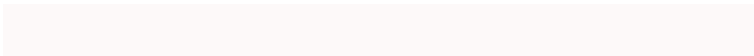
24, 18.582, 196.246





# Inverse Universe

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



98, 1.409, 18.949



99, 1.795, 19.072



99, 1.208, 73.028



53, 1.020, 19.047



40, 84.181, 39.958



10, 33.359, 27.135



# Previews

## White Background



This preview shows how the CIE LCh color 99, 1.391, 199.790 looks on a white background.

## Color Contrast Check

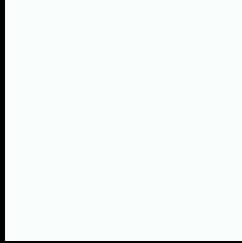
Large Text (above 18pt) WCAG AA × Fail

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, 1.391, 199.790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

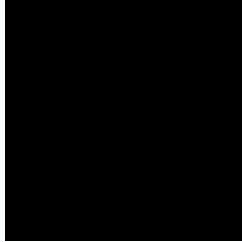
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 1.391, 199.790

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 1.391, 199.790.



This preview shows how white text looks on a background with the CIELCh color 99, 1.391, 199.790.

# 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, 1.391, 199.790

### Protanopia

99, 1.502, 359.268

### Deuteranopia

99, 1.502, 359.268

**Tritanopia**  
99, 1.537, 290.342



# Trichromacy



**Original Color**

99, 1.391, 199.790

**Protanomaly**

99, 0.352, 17.560

**Deuteranomaly**

99, 0.352, 17.560

**Tritanomaly**

99, 1.081, 271.537

# Monochromacy



**Original Color**

99, 1.391, 199.790

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 0.348, 201.271

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 1.391, 199.790 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(249, 253, 253)` looks like.

```
.text, #text, p{  
    color:rgb(249, 253, 253)  
}
```

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(249, 253, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 253, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 1.391, 199.790 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(249, 253, 253) }
```

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

```
.border{ border-color:rgb(249, 253, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 253, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 253, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 253, 253);  
box-shadow:4px 4px 4px 4px rgb(249, 253,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 1.391, 199.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 253, 253) }
```

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

```
.background{ background-color: rgb(249,  
253, 253) }
```

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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