

# Converting Colors

CIELCh(100, 5.944, 173.233)

Have a look what the booklet for  
CIELCh(100, 5.944, 173.233)  
contains.

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# Color

**CIELCh(99, 4.292, 185.564)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFFD
RGB	243, 255, 253
RGB Percent	95%, 100%, 99%
CMY	0.0481, 0.0010, 0.0089
CMYK	0.05, 0.00, 0.01, 0.00
HSL	170°, 96%, 98%
HSV	170°, 5%, 100%
XYZ	90.2363, 97.4360, 106.7607
YIQ	251.1840, -6.5100, -3.1660

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 250, 255
Decimal	15990781
CIE <sub>Lab</sub>	99.00, -4.27, -0.42
CIE <sub>LCh</sub>	99, 4.292, 185.564
Yxy	97.4360, 0.3065, 0.3309
Android (android.graphics.Color)	4294180861 (0xFFFF3FFFD)
YUV	251.1840, 0.8953, -7.1774
Hunter-Lab	98.7097, -9.5647, 4.9710

# Details

The CIELCh color 99, 4.292, 185.564 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97, 4.388, 6.083, 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, 4.147, 184.290 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.209, 184.559, and if you desaturate by 10%, it is 100, 0.169, 322.620.

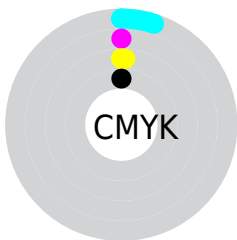
# Distribution



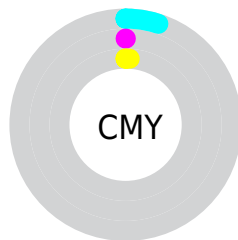
- Red (95%)
- Green (100%)
- Blue (99%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 4.292, 185.564 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, 4.292, 185.564 by changing the saturation by 10% instead.



 99, 4.292, 185.564

 99, 4.292, 185.564

 100, 4.292,  
185.564

 89, 4.292, 185.564

 79, 4.292, 185.564

 69, 4.292, 185.564

 59, 4.292, 185.564

 49, 4.292, 185.564

 39, 4.292, 185.564

 29, 4.292, 185.564

 19, 4.292, 185.564

 9, 4.292, 185.564

99, 4.292, 185.564

99, 4.292, 185.564

97, 13.209,  
184.559

100, 0.169,  
322.620

96, 21.728,  
183.618

94, 29.702,  
182.640

93, 36.973,  
181.605

92, 43.390,  
180.495

91, 48.829,  
179.289

91, 53.213,  
177.963

90, 56.532,  
176.494

■ 90, 58.869,  
174.870

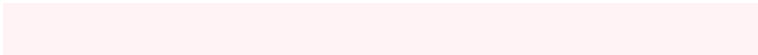
# Harmonies

# Complementary

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



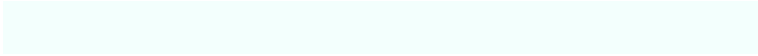
99, 4.292, 185.564



97, 4.388, 6.083

# Rectangle

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



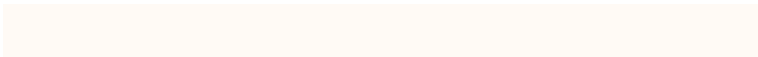
99, 4.292, 185.564



99, 4.292, 235.564



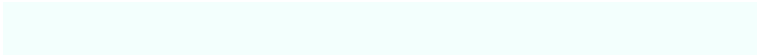
99, 4.292, 5.564



99, 4.292, 55.564

# Sweetspot

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



99, 4.294, 185.542



100, 0.913, 186.400



99, 7.037, 139.128



53, 0.519, 186.440



0, 0.000, 0.000



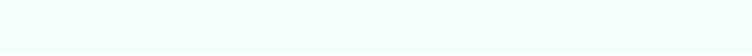
53, 0.007, 296.813



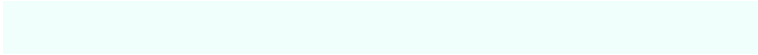


# Same Dimension

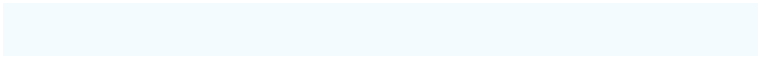
The Same Dimension uses a secret algorithm to generate beautiful new colors.



99, 4.294, 185.542



99, 5.464, 185.399



98, 3.407, 234.169



53, 3.621, 185.330



69, 48.052, 174.285

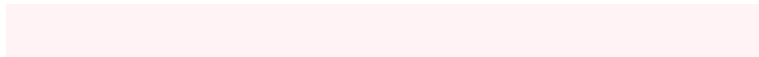


23, 21.563, 176.542

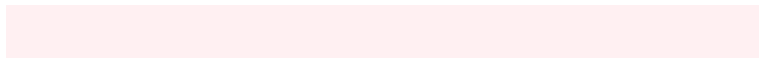


# Inverse Universe

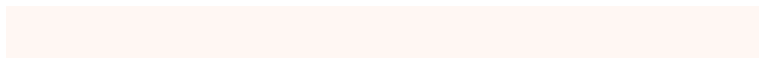
The Inverse Universe completely reimagines the original color for something new.



97, 4.388, 6.083



96, 5.612, 6.233



98, 3.482, 53.110



51, 3.730, 6.306



40, 76.609, 31.960



10, 32.180, 20.292



# Previews

## White Background



This preview shows how the CIE LCh color 99, 4.292, 185.564 looks on a white background.

## Color Contrast Check

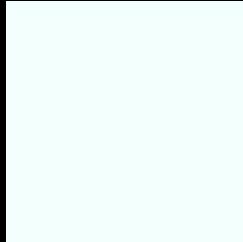
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 99, 4.292, 185.564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

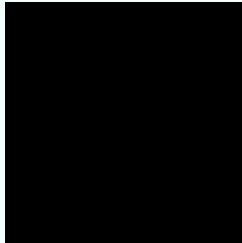
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 4.292, 185.564

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 4.292, 185.564.



This preview shows how white text looks on a background with the CIELCh color 99, 4.292, 185.564.

# 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 bars of different colors: a light cyan bar at the top, a light pink bar in the middle, and a light orange bar at the bottom. These bars represent the original color and its simulation for different types of dichromacy.

### Original Color

99, 4.292, 185.564

### Protanopia

99, 1.406, 19.030

### Deuteranopia

99, 1.502, 359.268



**Tritanopia**  
99, 1.571, 277.558

# Trichromacy



**Original Color**

99, 4.292, 185.564

**Protanomaly**

99, 0.348, 201.271

**Deuteranomaly**

99, 0.348, 201.271

**Tritanomaly**

99, 1.804, 216.069

# Monochromacy



**Original Color**

99, 4.292, 185.564

**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 1.392, 199.788

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 4.292, 185.564 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(243, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 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(243, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 4.292, 185.564 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(243, 255, 253) }
```

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

```
.border{ border-color:rgb(243, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 4.292, 185.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 253) }
```

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

```
.background{ background-color: rgb(243,  
255, 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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