

# Converting Colors

CIELCh(100, 7.374, 89.235)

Have a look what the booklet for  
CIELCh(100, 7.374, 89.235) contains.

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# **Color**

**CIELCh(99, 6.590, 106.571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFDF0
RGB	254, 253, 240
RGB Percent	100%, 99%, 94%
CMY	0.0047, 0.0086, 0.0596
CMYK	0.00, 0.00, 0.06, 0.00
HSL	56°, 85%, 97%
HSV	56°, 6%, 100%
XYZ	91.5606, 97.4360, 96.2719
YIQ	251.8170, 4.7690, -3.8310

# Conversions

## Conversions Part 2

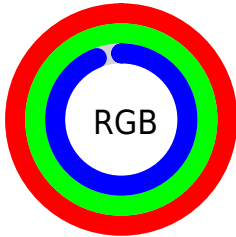
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	241, 254, 240
Decimal	16711152
CIE Lab	99.00, -1.88, 6.32
CIE LCh	99, 6.590, 106.571
Yxy	97.4360, 0.3210, 0.3416
Android (android.graphics.Color)	4294901232 (0xFFFEFDF0)
YUV	251.8170, -5.8258, 1.9145
Hunter-Lab	98.7097, -7.1699, 11.2711

# Details

The CIELCh color 99, 6.590, 106.571 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95, 6.680, 287.766, 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, 6.389, 106.214 is the 20% darker color. If you saturate the color by 10%, you get 98, 18.565, 105.559, and if you desaturate by 10%, it is 100, 0.349, 236.553.

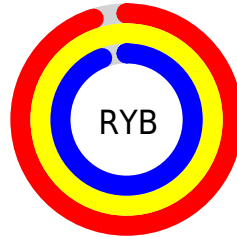
# Distribution



Red (100%)

Green (99%)

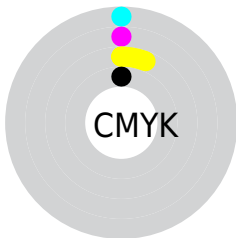
Blue (94%)



Red (95%)

Yellow (100%)

Blue (94%)

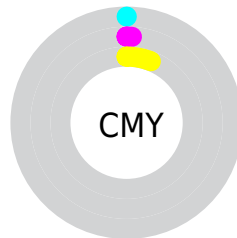


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (1%)

Yellow (6%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 6.590, 106.571 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, 6.590, 106.571 by changing the saturation by 10% instead.



 99, 6.590, 106.571

 99, 6.590, 106.571

 100, 6.590,  
106.571

 89, 6.590, 106.571

 79, 6.590, 106.571

 69, 6.590, 106.571

 59, 6.590, 106.571

 49, 6.590, 106.571

 39, 6.590, 106.571

 29, 6.590, 106.571

 19, 6.590, 106.571

 9, 6.590, 106.571

99, 6.590, 106.571

99, 6.590, 106.571

98, 18.565,  
105.559

100, 0.349,  
236.553

97, 30.467,  
104.508

100, 0.417,  
200.967

96, 42.196,  
103.455

95, 53.583,  
102.418

95, 64.355,  
101.418

94, 74.095,  
100.481

93, 82.210, 99.633

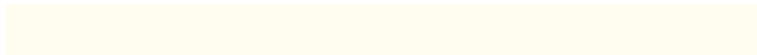
93, 88.013, 98.895



# Harmonies

# Complementary

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



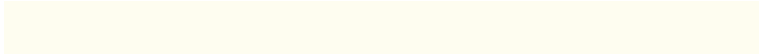
99, 6.590, 106.571



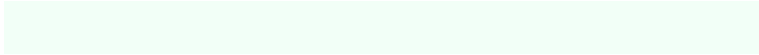
95, 6.680, 287.766

# Rectangle

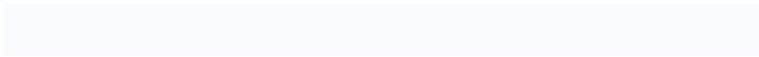
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



99, 6.590, 106.571



99, 6.590, 156.571



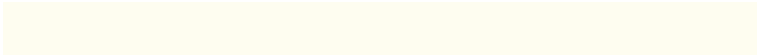
99, 6.590, 286.571



99, 6.590, 336.571

# Sweetspot

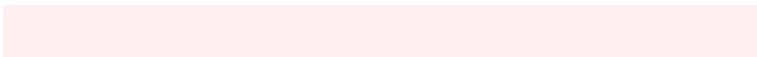
The Sweet Spot groups the original color and five complimentary colors.



99, 6.592, 106.587



100, 2.394, 106.916



96, 5.025, 12.816



53, 1.361, 106.924



0, 0.000, 0.000



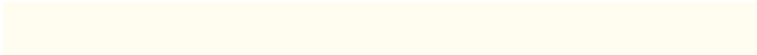
53, 0.007, 296.813





# Same Dimension

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



99, 6.592, 106.587



99, 8.409, 106.437



99, 7.410, 125.856



53, 5.464, 106.375



71, 74.154, 98.102



24, 33.601, 98.895



# Inverse Universe

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



95, 6.680, 287.766



95, 8.538, 287.929



96, 7.493, 306.360



50, 5.553, 287.997



24, 104.564, 305.450



4, 41.871, 300.522



# Previews

## White Background



This preview shows how the CIE LCh color 99, 6.590, 106.571 looks on a white background.

## Color Contrast Check

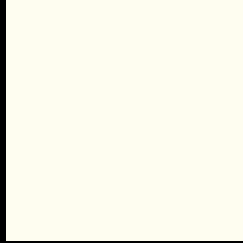
Large Text (above 18pt) WCAG AA × Fail

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, 6.590, 106.571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

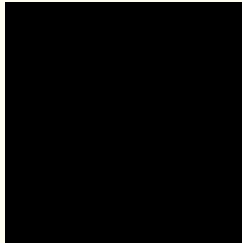
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 99, 6.590, 106.571**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 99, 6.590, 106.571.



This preview shows how white text looks on a background with the CIELCh color 99, 6.590, 106.571.

# 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, 6.595, 106.569

**Protanopia**  
99, 2.732, 87.135

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



**Original Color**

99, 6.595, 106.569

**Protanomaly**

99, 4.181, 95.099

**Deuteranomaly**

99, 2.732, 87.135

**Tritanomaly**

99, 1.550, 96.903

# Monochromacy



**Original Color**

99, 6.595, 106.569



**Achromatopsia**

99, 0.012, 296.813

**Achromatomaly**

99, 2.048, 100.089

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 99, 6.590, 106.571 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(254, 253, 240)` looks like.

```
.text, #text, p{  
    color:rgb(254, 253, 240)  
}
```

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(254, 253, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 253, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.590, 106.571 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(254, 253, 240) }
```

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

```
.border{ border-color:rgb(254, 253, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 253, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 253, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 253, 240);  
box-shadow:4px 4px 4px 4px rgb(254, 253,  
240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.590, 106.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 253, 240) }
```

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

```
.background{ background-color: rgb(254,  
253, 240) }
```

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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