

# Converting Colors

CIELCh(100, 7.003, 78.650)

Have a look what the booklet for  
CIELCh(100, 7.003, 78.650) contains.

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# **Color**

**CIELCh(99, 6.084, 106.355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFDF1
RGB	254, 253, 241
RGB Percent	100%, 99%, 95%
CMY	0.0050, 0.0089, 0.0559
CMYK	0.00, 0.00, 0.05, 0.00
HSL	55°, 84%, 97%
HSV	55°, 5%, 100%
XYZ	91.6531, 97.4360, 96.9936
YIQ	251.9310, 4.4480, -3.5200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 254, 241
Decimal	16711153
CIE <sub>Lab</sub>	99.00, -1.71, 5.84
CIE <sub>LCh</sub>	99, 6.084, 106.355
Y <sub>xy</sub>	97.4360, 0.3204, 0.3406
Android (android.graphics.Color)	4294901233 (0xFFFEFDF1)
Y <sub>UV</sub>	251.9310, -5.3890, 1.8145
Hunter-Lab	98.7097, -7.0026, 10.8376

# Details

The CIELCh color 99, 6.084, 106.355 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96, 6.163, 287.476, 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, 5.858, 105.963 is the 20% darker color. If you saturate the color by 10%, you get 98, 17.993, 105.341, and if you desaturate by 10%, it is 100, 0.370, 227.543.

# Distribution



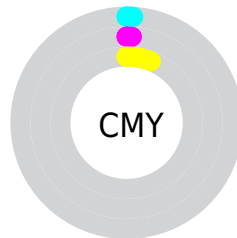
- Red (100%)
- Green (99%)
- Blue (95%)



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 99, 6.084, 106.355 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, 6.084, 106.355 by changing the saturation by 10% instead.



 99, 6.084, 106.355

 99, 6.084, 106.355

 100, 6.084,  
106.355

 89, 6.084, 106.355


 79, 6.084, 106.355

 69, 6.084, 106.355


 59, 6.084, 106.355

 49, 6.084, 106.355

 39, 6.084, 106.355

 29, 6.084, 106.355

 19, 6.084, 106.355

 9, 6.084, 106.355

99, 6.084, 106.355

99, 6.084, 106.355

98, 17.993,  
105.341

100, 0.370,  
227.543

97, 29.838,  
104.285

100, 0.441,  
200.880

96, 41.520,  
103.225

95, 52.877,  
102.178

94, 63.643,  
101.166

94, 73.408,  
100.211

93, 81.588, 99.340

93, 87.487, 98.573



# Harmonies

# Complementary

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



99, 6.084, 106.355



96, 6.163, 287.476

# Rectangle

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



99, 6.084, 106.355



99, 6.084, 156.355



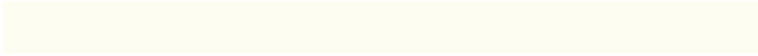
99, 6.084, 286.355



99, 6.084, 336.355

# Sweetspot

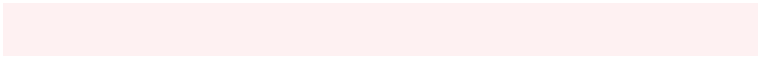
The Sweet Spot groups the original color and five complimentary colors.



99, 6.086, 106.372



100, 2.380, 106.663



96, 4.660, 12.774



53, 1.353, 106.670



0, 0.000, 0.000



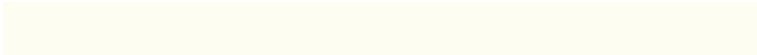
53, 0.007, 296.813





# Same Dimension

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



99, 6.086, 106.372



99, 7.165, 106.284



99, 6.880, 125.876



53, 4.754, 106.217



71, 73.878, 97.709



24, 33.457, 98.555



# Inverse Universe

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



96, 6.163, 287.476



95, 7.264, 287.571



96, 6.955, 306.339



50, 4.823, 287.643



24, 104.274, 305.372

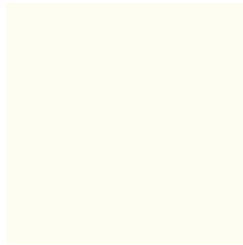


4, 41.696, 300.418



# Previews

## White Background



This preview shows how the CIE LCh color 99, 6.084, 106.355 looks on a white background.

## Color Contrast Check

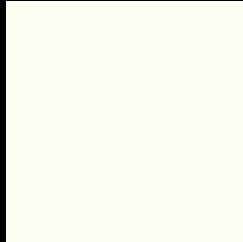
Large Text (above 18pt) WCAG AA × Fail

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, 6.084, 106.355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

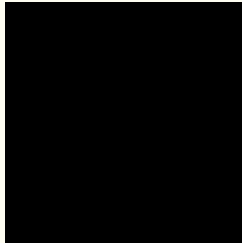
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 99, 6.084, 106.355

## Background



This preview shows how black text looks on a background with the CIELCh color 99, 6.084, 106.355.

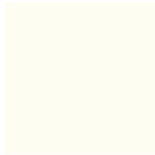


This preview shows how white text looks on a background with the CIELCh color 99, 6.084, 106.355.

# 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, 6.088, 106.353



**Protanopia**  
99, 2.732, 87.135

**Deuteranopia**  
99, 1.406, 19.030



**Tritanopia**  
99, 1.581, 303.066

# Trichromacy



**Original Color**

99, 6.088, 106.353

**Protanomaly**

99, 3.691, 93.151

**Deuteranomaly**

99, 2.732, 87.135

**Tritanomaly**

99, 1.061, 90.708

# Monochromacy



**Original Color**

99, 6.088, 106.353



**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, 6.084, 106.355 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(254, 253, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 253, 241) }
```

## Border

The CSS property to change the border of an element to CIELCh 99, 6.084, 106.355 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, 241) }
```

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

```
.border{ border-color:rgb(254, 253, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 253, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 253, 241);  
box-shadow:4px 4px 4px 4px rgb(254, 253,  
241) }
```

# Background

The CSS property to change the background color of an element to CIELCh 99, 6.084, 106.355 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, 241) }
```

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

```
.background{ background-color: rgb(254,  
253, 241) }
```

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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