

# Converting Colors

CIELCh(97, 0.763, 221.866)

Have a look what the booklet for  
CIELCh(97, 0.763, 221.866) contains.

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# Color

**CIELCh(97, 0.699, 200.285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F7F7
RGB	245, 247, 247
RGB Percent	96%, 97%, 97%
CMY	0.0402, 0.0323, 0.0323
CMYK	0.01, 0.00, 0.00, 0.03
HSL	180°, 11%, 96%
HSV	180°, 1%, 97%
XYZ	87.5074, 92.4403, 101.0278
YIQ	246.4020, -1.1920, -0.4240

# Conversions

## Conversions Part 2

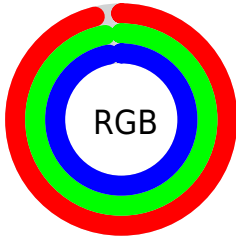
Format	Color
R <sub>YB</sub>	245, 246, 247
Decimal	16119799
CIE Lab	97.00, -0.66, -0.24
CIE LCh	97, 0.699, 200.285
Yxy	92.4403, 0.3114, 0.3290
Android (android.graphics.Color)	4294309879 (0xFFFF5F7F7)
YUV	246.4020, 0.2948, -1.2296
Hunter-Lab	96.1459, -5.7931, 5.0016

# Details

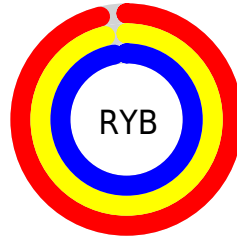
The CIELCh color **97, 0.699, 200.285** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97, 0.707, 18.374**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 0.734, 200.074** is the 20% darker color. If you saturate the color by 10%, you get **95, 9.128, 198.708**, and if you desaturate by 10%, it is **98, 2.913, 18.910**.

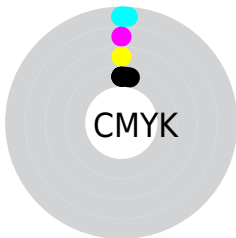
# Distribution



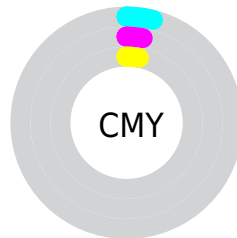
- Red (96%)
- Green (97%)
- Blue (97%)



- Red (96%)
- Yellow (96%)
- Blue (97%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 0.699, 200.285 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 97, 0.699, 200.285 by changing the saturation by 10% instead.



 97, 0.699, 200.285

 97, 0.699, 200.285

 100, 0.699,  
200.285

 87, 0.699, 200.285

 77, 0.699, 200.285

 67, 0.699, 200.285

 57, 0.699, 200.285

 47, 0.699, 200.285

 37, 0.699, 200.285

 27, 0.699, 200.285

 17, 0.699, 200.285

 7, 0.699, 200.285

97, 0.699, 200.285

97, 0.699, 200.285

95, 9.128, 198.708

98, 2.913, 18.910

94, 17.057,  
198.163

98, 2.914, 18.405

92, 24.348,  
197.687

98, 2.914, 17.900

91, 30.860,  
197.270

98, 2.915, 17.395

90, 36.459,  
196.914

98, 2.916, 16.890

90, 41.042,  
196.624

98, 2.918, 16.386

89, 44.546,  
196.398

98, 2.919, 15.883

89, 46.965,  
196.234

98, 2.921, 15.380

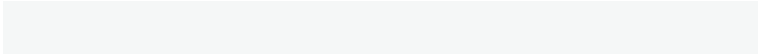
98, 2.923, 14.878

■ 89, 48.369,  
196.127

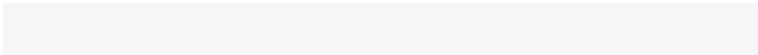
# Harmonies

# Complementary

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



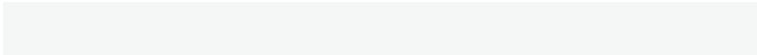
97, 0.699, 200.285



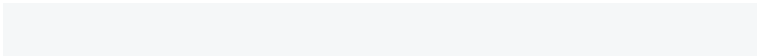
97, 0.707, 18.374

# Rectangle

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



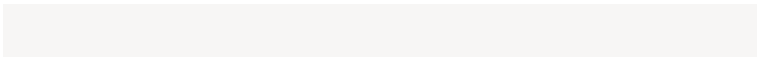
97, 0.699, 200.285



97, 0.699, 250.285



97, 0.699, 20.285



97, 0.699, 70.285

# Sweetspot

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



97, 0.700, 200.111

100, 0.012, 296.813



97, 1.233, 144.197



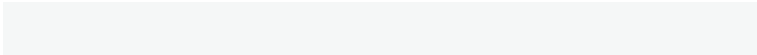
53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

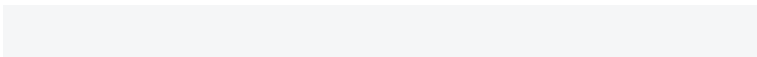
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 0.700, 200.111



100, 0.886, 199.926



97, 0.617, 254.410



51, 0.487, 199.971



69, 39.618, 196.073



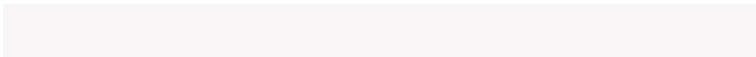
22, 17.611, 196.114





# Inverse Universe

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



97, 0.707, 18.374



99, 0.895, 18.558



97, 0.602, 72.756



51, 0.492, 18.513



39, 82.454, 39.915

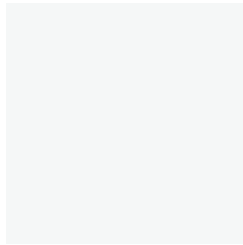


8, 31.011, 24.926



# Previews

## White Background



This preview shows how the CIE LCh color 97, 0.699, 200.285 looks on a white background.

## Color Contrast Check

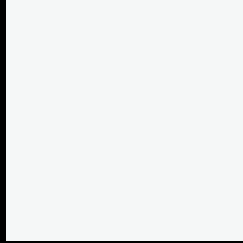
Large Text (above 18pt) WCAG AA × Fail

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 97, 0.699, 200.285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

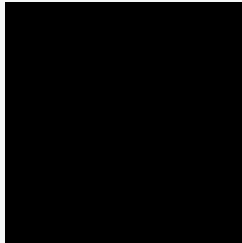
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

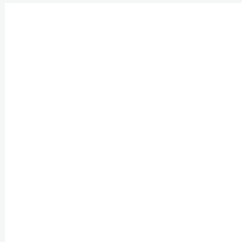
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 97, 0.699, 200.285**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 0.699, 200.285.

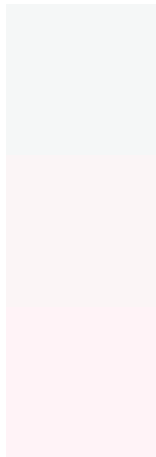


This preview shows how white text looks on a background with the CIELCh color 97, 0.699, 200.285.

# 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


97, 0.699, 200.285

### Protanopia

97, 2.186, 5.755

### Deuteranopia

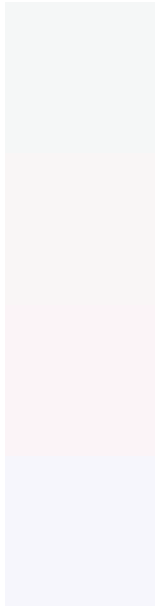
97, 4.729, 354.009



**Tritanopia**  
97, 5.180, 298.262



# Trichromacy



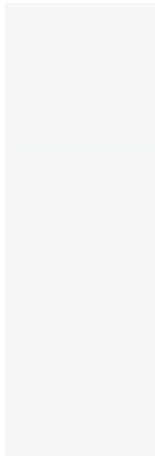
**Original Color**  
97, 0.699, 200.285

**Protanomaly**  
97, 1.058, 18.865

**Deuteranomaly**  
97, 2.924, 347.757

**Tritanomaly**  
97, 3.077, 290.436

# Monochromacy



**Original Color**  
97, 0.699, 200.285

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 0.011, 296.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 0.699, 200.285 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(245, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 247)  
}
```

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(245, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 247) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 0.699, 200.285 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(245, 247, 247) }
```

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

```
.border{ border-color:rgb(245, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
247) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 0.699, 200.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 247) }
```

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

```
.background{ background-color: rgb(245,  
247, 247) }
```

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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