

# Converting Colors

CIE LCh(97, 6.380, 162.225)

Have a look what the booklet for  
CIELCh(97, 6.380, 162.225) contains.

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# Color

**CIELCh(97, 6.697, 161.483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFAF2
RGB	235, 250, 242
RGB Percent	92%, 98%, 95%
CMY	0.0784, 0.0196, 0.0510
CMYK	0.06, 0.00, 0.03, 0.02
HSL	148°, 60%, 95%
HSV	148°, 6%, 98%
XYZ	84.4698, 92.4403, 97.3913
YIQ	244.6030, -6.3720, -5.6680

# Conversions

## Conversions Part 2

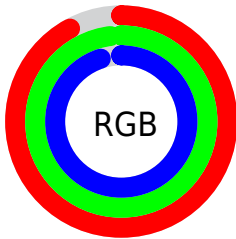
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 245, 250
Decimal	15465202
CIE <sub>Lab</sub>	97.00, -6.35, 2.13
CIE <sub>LCh</sub>	97, 6.697, 161.483
Yxy	92.4403, 0.3079, 0.3370
Android (android.graphics.Color)	4293655282 (0xFFEBFAF2)
YUV	244.6030, -1.2833, -8.4218
Hunter-Lab	96.1459, -11.4326, 7.2441

# Details

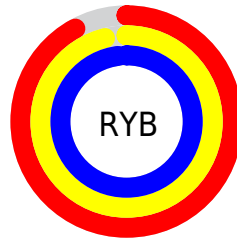
The CIELCh color **97, 6.697, 161.483** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 6.756, 342.306**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 7.028, 161.333** is the 20% darker color. If you saturate the color by 10%, you get **95, 17.890, 160.556**, and if you desaturate by 10%, it is **99, 3.113, 324.451**.

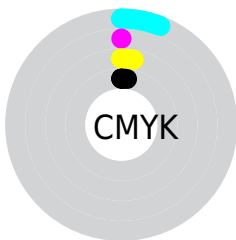
# Distribution



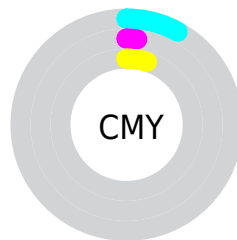
- Red (92%)
- Green (98%)
- Blue (95%)



- Red (92%)
- Yellow (96%)
- Blue (98%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (8%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 6.697, 161.483 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, 6.697, 161.483 by changing the saturation by 10% instead.



97, 6.697, 161.483

97, 6.697, 161.483

100, 6.697,  
161.483

87, 6.697, 161.483

77, 6.697, 161.483

67, 6.697, 161.483

57, 6.697, 161.483

47, 6.697, 161.483

37, 6.697, 161.483

27, 6.697, 161.483

17, 6.697, 161.483

7, 6.697, 161.483

97, 6.697, 161.483

97, 6.697, 161.483

95, 17.890,  
160.556

99, 3.113, 324.451

93, 28.981,  
159.563

92, 39.809,  
158.449


90, 50.187,  
157.187

89, 59.919,  
155.750

88, 68.819,  
154.114

88, 76.744,  
152.266

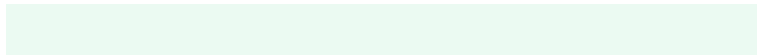
87, 83.621,  
150.205

 87, 89.476,  
147.962

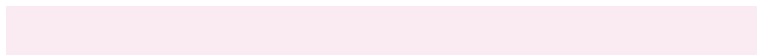
# Harmonies

# Complementary

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



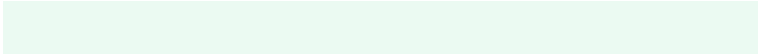
97, 6.697, 161.483



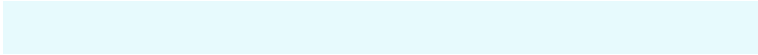
94, 6.756, 342.306

# Rectangle

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



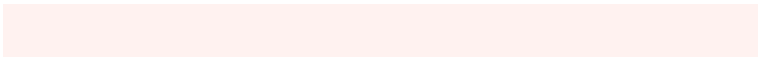
97, 6.697, 161.483



97, 6.697, 211.483



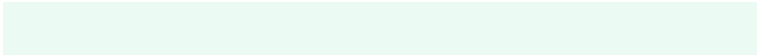
97, 6.697, 341.483



97, 6.697, 31.483

# Sweetspot

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



97, 6.699, 161.477



100, 2.260, 161.942



97, 8.028, 127.041



53, 1.285, 161.961



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

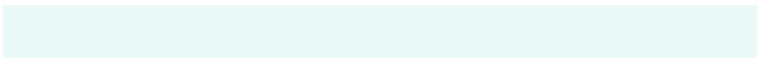
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 6.699, 161.477



99, 7.943, 161.383



97, 5.209, 194.968



51, 5.077, 161.329



67, 73.499, 147.489



22, 31.027, 150.867



# Inverse Universe

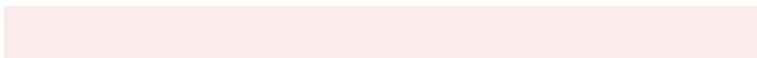
The Inverse Universe completely reimagines the original color for something new.



94, 6.756, 342.306



95, 8.016, 342.399



94, 5.393, 15.572



49, 5.126, 342.453



41, 68.047, 358.921

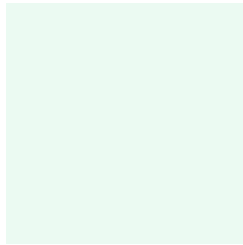


10, 31.416, 353.621



# Previews

## White Background



This preview shows how the CIE LCh color 97, 6.697, 161.483 looks on a white background.

## Color Contrast Check

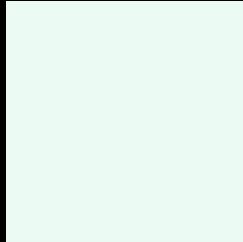
Large Text (above 18pt) WCAG AA × Fail

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, 6.697, 161.483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

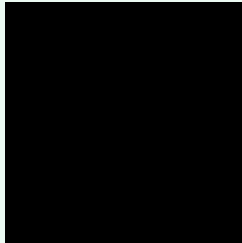
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

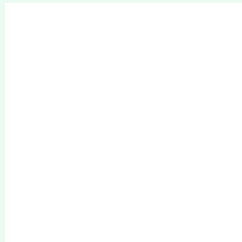
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 97, 6.697, 161.483**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 97, 6.697, 161.483.

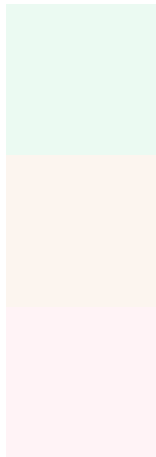


This preview shows how white text looks on a background with the CIELCh color 97, 6.697, 161.483.

# 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, 6.697, 161.483

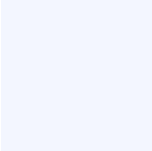
### Protanopia

97, 3.928, 70.419

### Deuteranopia

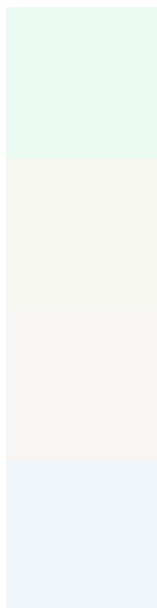
97, 4.532, 359.827





**Tritanopia**  
97, 4.708, 277.847

# Trichromacy



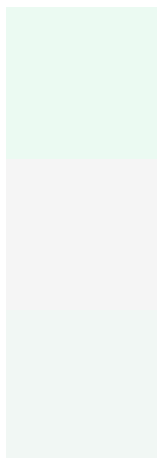
**Original Color**  
97, 6.697, 161.483

**Protanomaly**  
97, 3.583, 115.566

**Deuteranomaly**  
97, 0.860, 54.936

**Tritanomaly**  
97, 2.855, 232.048

# Monochromacy



**Original Color**  
97, 6.697, 161.483

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.614, 163.634

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 6.697, 161.483 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(235, 250, 242)` looks like.

```
.text, #text, p{  
    color:rgb(235, 250, 242)  
}
```

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(235, 250, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 250, 242) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 6.697, 161.483 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(235, 250, 242) }
```

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

```
.border{ border-color:rgb(235, 250, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 250, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 250, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 250, 242);  
box-shadow:4px 4px 4px 4px rgb(235, 250,  
242) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 6.697, 161.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 250, 242) }
```

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

```
.background{ background-color: rgb(235,  
250, 242) }
```

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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