

# Converting Colors

CIE LCh(97, 8.249, 144.212)

Have a look what the booklet for  
CIELCh(97, 8.249, 144.212) contains.

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# **Color**

**CIECh(97, 8.110, 144.181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFAED
RGB	237, 250, 237
RGB Percent	93%, 98%, 93%
CMY	0.0708, 0.0198, 0.0708
CMYK	0.05, 0.00, 0.05, 0.02
HSL	120°, 56%, 95%
HSV	120°, 5%, 98%
XYZ	84.3508, 92.4403, 93.4736
YIQ	244.6310, -3.5750, -6.7990

# Conversions

## Conversions Part 2

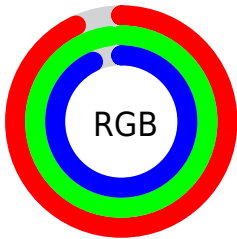
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 250, 250
Decimal	15596269
CIE Lab	97.00, -6.58, 4.75
CIE LCh	97, 8.110, 144.181
Yxy	92.4403, 0.3121, 0.3420
Android (android.graphics.Color)	4293786349 (0xFFEDFAED)
YUV	244.6310, -3.7621, -6.6924
Hunter-Lab	96.1459, -11.6535, 9.6600

# Details

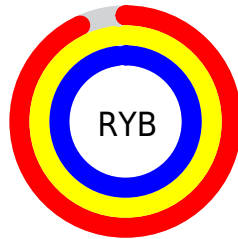
The CIELCh color **97, 8.110, 144.181** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 8.133, 324.692**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 8.518, 144.088** is the 20% darker color. If you saturate the color by 10%, you get **95, 23.868, 143.505**, and if you desaturate by 10%, it is **99, 3.147, 324.453**.

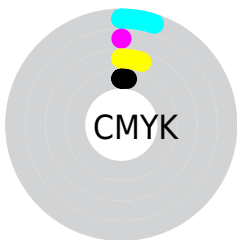
# Distribution



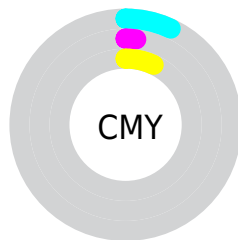
- Red (93%)
- Green (98%)
- Blue (93%)



- Red (93%)
- Yellow (98%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 8.110, 144.181 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, 8.110, 144.181 by changing the saturation by 10% instead.



97, 8.110, 144.181

97, 8.110, 144.181

100, 8.110,  
144.181

87, 8.110, 144.181

77, 8.110, 144.181

67, 8.110, 144.181

57, 8.110, 144.181

47, 8.110, 144.181

37, 8.110, 144.181

27, 8.110, 144.181

17, 8.110, 144.181

7, 8.110, 144.181

97, 8.110, 144.181

97, 8.110, 144.181

95, 23.868,  
143.505

99, 3.147, 324.453

93, 39.638,  
142.734

91, 55.152,  
141.840


90, 70.052,  
140.825

88, 83.885,  
139.711

88, 96.098,  
138.562

87, 106.054,  
137.488

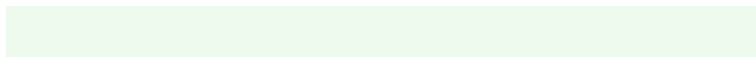
86, 113.132,  
136.640

 86,116.982,  
136.147

# Harmonies

# Complementary

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



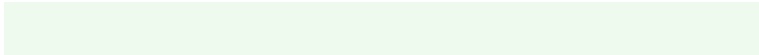
97, 8.110, 144.181



95, 8.133, 324.692

# Rectangle

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



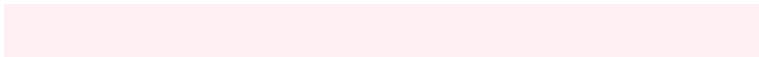
97, 8.110, 144.181



97, 8.110, 194.181



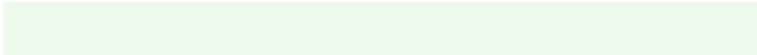
97, 8.110, 324.181



97, 8.110, 14.181

# Sweetspot

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



97, 8.112, 144.181



100, 3.155, 144.428



98, 6.606, 109.665



53, 1.793, 144.439



0, 0.000, 0.000



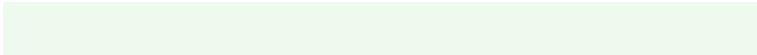
53, 0.007, 296.813





# Same Dimension

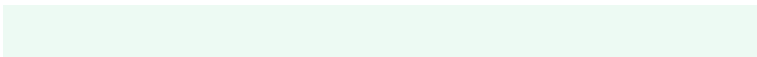
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 8.112, 144.181



99, 9.517, 144.128



97, 5.666, 163.305



51, 6.212, 144.086



67, 95.515, 136.016



21, 42.476, 137.059



# Inverse Universe

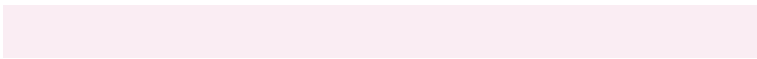
The Inverse Universe completely reimagines the original color for something new.



95, 8.133, 324.692



96, 9.538, 324.741



95, 5.717, 343.998



50, 6.225, 324.780



45, 92.155, 328.233

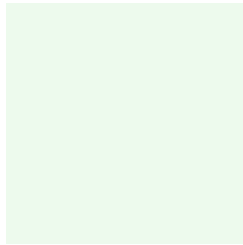


12, 41.695, 328.233



# Previews

## White Background



This preview shows how the CIELCh color 97, 8.110, 144.181 looks on a white background.

## Color Contrast Check

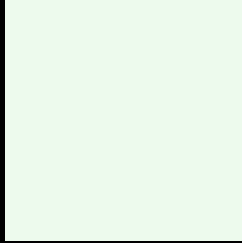
Large Text (above 18pt) WCAG AA × Fail

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, 8.110, 144.181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

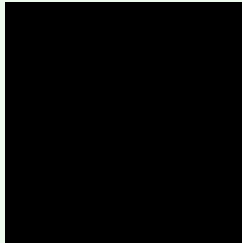
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

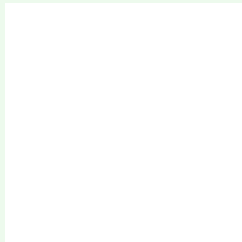
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 8.110, 144.181

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 8.110, 144.181.

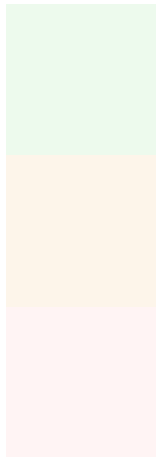


This preview shows how white text looks on a background with the CIELCh color 97, 8.110, 144.181.

# 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, 8.110, 144.181

### Protanopia

97, 6.283, 82.444

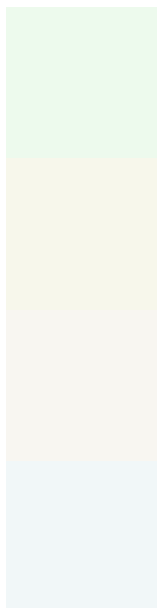
### Deuteranopia

97, 3.905, 19.499



**Tritanopia**  
97, 4.650, 282.004

# Trichromacy



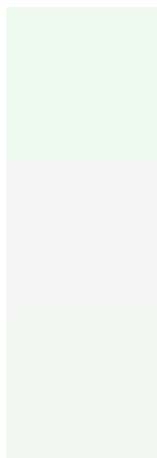
**Original Color**  
97, 8.110, 144.181

**Protanomaly**  
97, 6.110, 109.698

**Deuteranomaly**  
97, 2.631, 94.315

**Tritanomaly**  
97, 2.146, 213.371

# Monochromacy



**Original Color**  
97, 8.110, 144.181

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 3.112, 144.426

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 8.110, 144.181 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(237, 250, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 250, 237)  
}
```

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(237, 250, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 250, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 8.110, 144.181 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(237, 250, 237) }
```

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

```
.border{ border-color:rgb(237, 250, 237) }
```

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

Here you see how a box with a 4 pixel rgb(237, 250, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 250, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 250, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 250,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 8.110, 144.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 250, 237) }
```

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

```
.background{ background-color: rgb(237,  
250, 237) }
```

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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