

# Converting Colors

CIELCh(99, 40.308, 285.138)

Have a look what the booklet for  
CIELCh(99, 40.308, 285.138)  
contains.

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# Color

**CIELCh(97, 7.106, 224.773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FAFF
RGB	231, 250, 255
RGB Percent	91%, 98%, 100%
CMY	0.0951, 0.0205, 0.0000
CMYK	0.10, 0.02, 0.00, 0.00
HSL	193°, 100%, 95%
HSV	193°, 10%, 100%
XYZ	85.1600, 92.4403, 108.6094
YIQ	244.8890, -12.9290, -2.4730

# Conversions

## Conversions Part 2

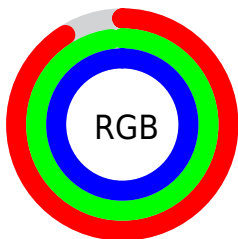
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 242, 255
Decimal	15203071
CIE Lab	97.00, -5.04, -5.00
CIE LCh	97, 7.106, 224.773
Yxy	92.4403, 0.2975, 0.3230
Android (android.graphics.Color)	4293393151 (0xFFE7FAFF)
YUV	244.8890, 4.9847, -12.1807
Hunter-Lab	96.1459, -10.1512, 0.3263

# Details

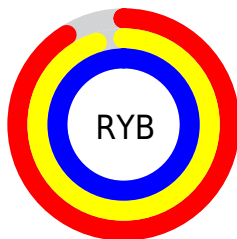
The CIELCh color **97, 7.106, 224.773** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 7.385, 40.988**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 7.046, 216.774** is the 20% darker color. If you saturate the color by 10%, you get **94, 13.894, 222.246**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

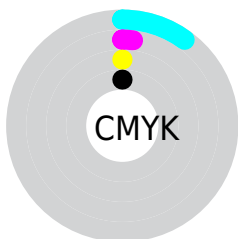
# Distribution



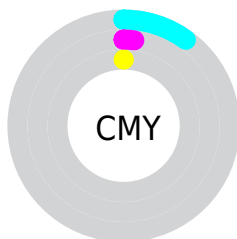
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 7.106, 224.773 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, 7.106, 224.773 by changing the saturation by 10% instead.



97, 7.106, 224.773

97, 7.106, 224.773

100, 7.106,  
224.773

87, 7.106, 224.773

77, 7.106, 224.773

67, 7.106, 224.773

57, 7.106, 224.773

47, 7.106, 224.773

37, 7.106, 224.773

27, 7.106, 224.773

17, 7.106, 224.773

7, 7.106, 224.773

97, 7.106, 224.773

97, 7.106, 224.773

94, 13.894,  
222.246

100, 0.012,  
296.813

91, 20.328,  
222.964

88, 26.150,  
223.953

86, 31.252,  
225.278

83, 35.539,  
227.016

81, 38.950,  
229.258

79, 41.489,  
232.094

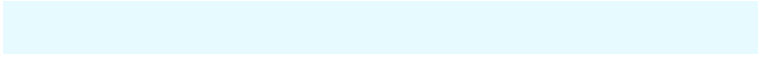
77, 43.240,  
235.593

■ 75, 44.433,  
239.714

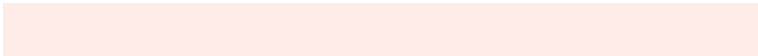
# Harmonies

# Complementary

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



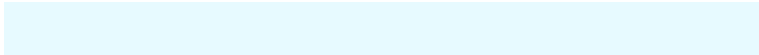
97, 7.106, 224.773



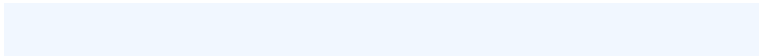
95, 7.385, 40.988

# Rectangle

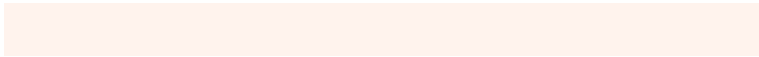
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 7.106, 224.773



97, 7.106, 274.773



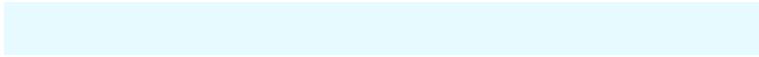
97, 7.106, 44.773



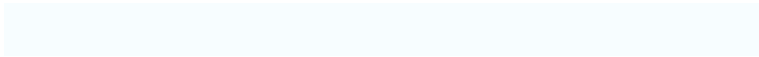
97, 7.106, 94.773

# Sweetspot

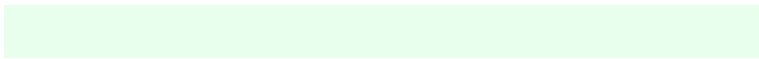
The Sweet Spot groups the original color and five complimentary colors.



97, 6.962, 221.766



99, 2.232, 221.710



98, 13.142, 149.931



53, 1.689, 221.677



0, 0.000, 0.000



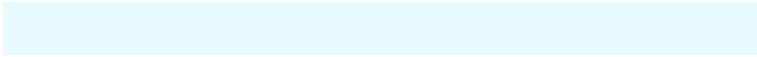
53, 0.007, 296.813



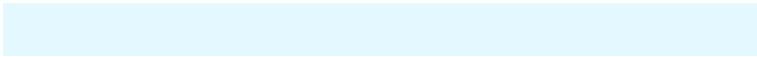


# Same Dimension

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



97, 6.962, 221.766



97, 8.024, 221.821



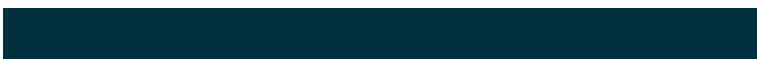
94, 9.039, 274.959



52, 4.163, 221.766



58, 35.736, 239.111



19, 16.213, 233.452



# Inverse Universe

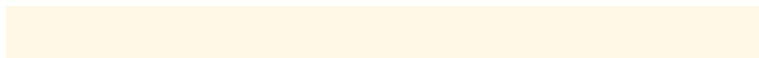
The Inverse Universe completely reimagines the original color for something new.



94, 13.036, 331.663



93, 15.096, 331.764



98, 9.010, 92.500



50, 7.795, 331.663



43, 78.756, 339.167

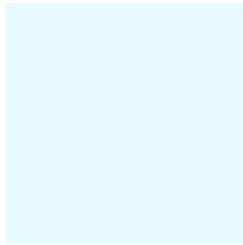


11, 36.935, 337.573



# Previews

## White Background



This preview shows how the CIELCh color 97, 7.106, 224.773 looks on a white background.

## Color Contrast Check

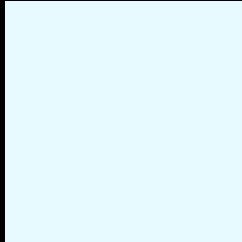
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 97, 7.106, 224.773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

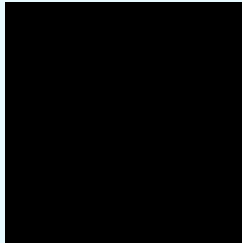
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

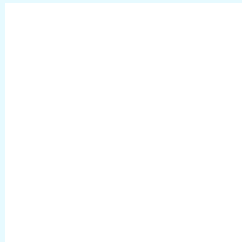
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 97, 7.106, 224.773

## Background



This preview shows how black text looks on a background with the CIELCh color 97, 7.106, 224.773.

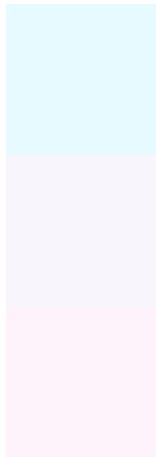


This preview shows how white text looks on a background with the CIELCh color 97, 7.106, 224.773.

# 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, 6.917, 220.851

### Protanopia

97, 3.868, 311.597

### Deuteranopia

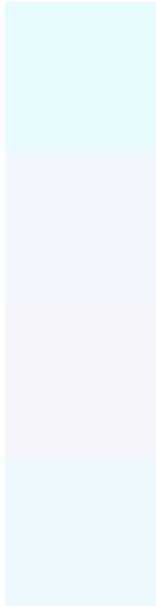
97, 5.909, 335.926





**Tritanopia**  
97, 4.556, 263.537

# Trichromacy



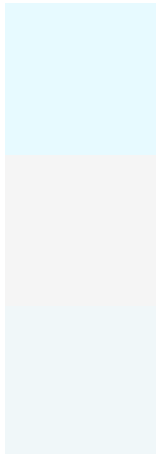
**Original Color**  
97, 6.917, 220.851

**Protanomaly**  
97, 3.503, 260.849

**Deuteranomaly**  
97, 3.612, 295.995

**Tritanomaly**  
97, 5.155, 243.403

# Monochromacy



**Original Color**  
97, 6.917, 220.851

**Achromatopsia**  
97, 0.011, 296.813

**Achromatomaly**  
97, 2.626, 222.451

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 97, 7.106, 224.773 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(231, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 250, 255)  
}
```

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(231, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 250, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 97, 7.106, 224.773 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(231, 250, 255) }
```

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

```
.border{ border-color:rgb(231, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 97, 7.106, 224.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 250, 255) }
```

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

```
.background{ background-color: rgb(231,  
250, 255) }
```

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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