

Converting Colors

CIELCh(97, 9.722, 170.673)

Have a look what the booklet for
CIELCh(97, 9.722, 170.673) contains.

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Color

CIELCh(97, 9.884, 171.080)

Conversions

Conversions Part 1

Format	Color
Hex	E3FCF3
RGB	227, 252, 243
RGB Percent	89%, 99%, 95%
CMY	0.1097, 0.0117, 0.0470
CMYK	0.10, 0.00, 0.04, 0.01
HSL	158°, 81%, 94%
HSV	158°, 10%, 99%
XYZ	82.6828, 92.4403, 98.2951
YIQ	243.4990, -12.0110, -8.0990

Conversions

Conversions Part 2

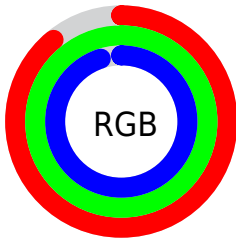
Format	Color
R_{YB}	227, 242, 252
Decimal	14941427
CIE Lab	97.00, -9.76, 1.53
CIE LCh	97, 9.884, 171.080
Yxy	92.4403, 0.3024, 0.3381
Android (android.graphics.Color)	4293131507 (0xFFE3FCF3)
YUV	243.4990, -0.2460, -14.4696
Hunter-Lab	96.1459, -14.7503, 6.6867

Details

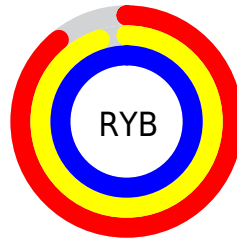
The CIELCh color **97, 9.884, 171.080** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 10.119, 352.814**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 9.460, 171.699** is the 20% darker color. If you saturate the color by 10%, you get **95, 19.717, 170.050**, and if you desaturate by 10%, it is **99, 0.086, 345.625**.

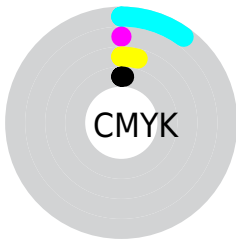
Distribution



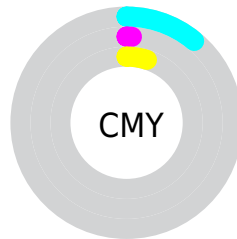
- Red (89%)
- Green (99%)
- Blue (95%)



- Red (89%)
- Yellow (95%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (11%)
- Magenta (1%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 9.884, 171.080 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, 9.884, 171.080 by changing the saturation by 10% instead.

 97, 9.884, 171.080

 97, 9.884, 171.080

 100, 9.884,
171.080

 87, 9.884, 171.080

 77, 9.884, 171.080

 67, 9.884, 171.080


 57, 9.884, 171.080

 47, 9.884, 171.080

 37, 9.884, 171.080

 27, 9.884, 171.080

 17, 9.884, 171.080

 7, 9.884, 171.080

97, 9.884, 171.080

97, 9.884, 171.080

95, 19.717,
170.050

99, 0.086, 345.625

99, 1.855, 324.340

94, 29.264,
168.952

92, 38.368,
167.745

91, 46.857,
166.404

90, 54.566,
164.903

89, 61.363,
163.216

89, 67.170,
161.322

88, 71.994,
159.216

■ 88,76.011,
156.949

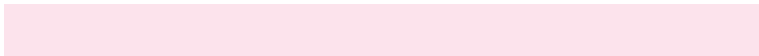
Harmonies

Complementary

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



97, 9.884, 171.080



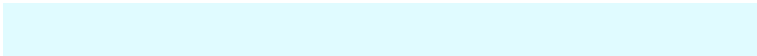
92, 10.119, 352.814

Rectangle

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



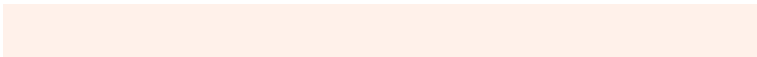
97, 9.884, 171.080



97, 9.884, 221.080



97, 9.884, 351.080



97, 9.884, 41.080

Sweetspot

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



97, 9.886, 171.074



99, 3.021, 171.843



97, 13.982, 133.176



53, 2.291, 171.732



0, 0.000, 0.000



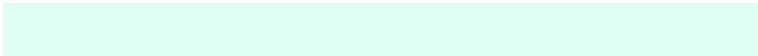
53, 0.007, 296.813

Same Dimension

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



97, 9.886, 171.074



98, 12.060, 170.863



96, 7.558, 212.118



51, 5.627, 171.117



68, 60.711, 157.368



22, 25.976, 160.669

Inverse Universe

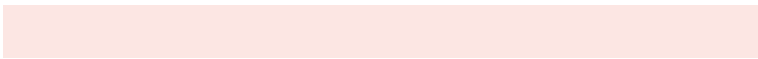
The Inverse Universe completely reimagines the original color for something new.



92, 10.119, 352.814



92, 12.401, 353.036



93, 8.063, 32.098



49, 5.754, 352.769



40, 68.303, 15.603



9, 30.458, 7.674

Previews

White Background



This preview shows how the CIELCh color 97, 9.884, 171.080 looks on a white background.

Color Contrast Check

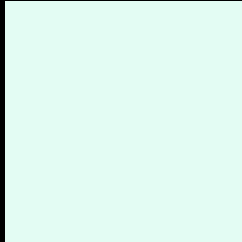
Large Text (above 18pt) WCAG AA × Fail

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, 9.884, 171.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

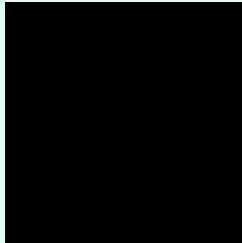
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

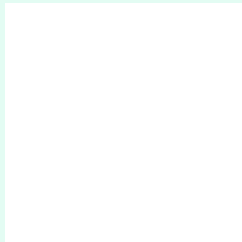
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 9.884, 171.080

Background



This preview shows how black text looks on a background with the CIELCh color 97, 9.884, 171.080.

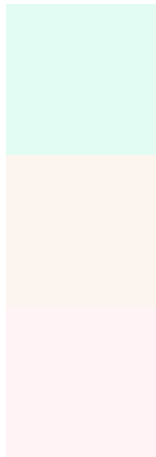


This preview shows how white text looks on a background with the CIELCh color 97, 9.884, 171.080.

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, 9.884, 171.080

Protanopia

97, 3.928, 70.419

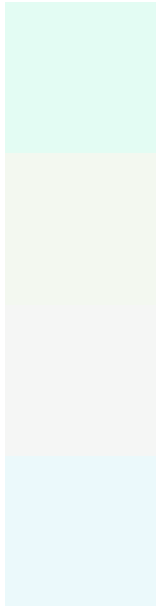
Deuteranopia

97, 4.532, 359.827



Tritanopia
97, 4.715, 259.792

Trichromacy



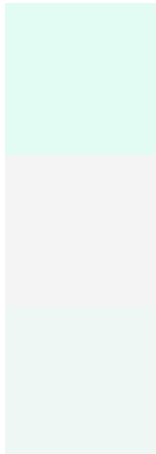
Original Color
97, 9.884, 171.080

Protanomaly
97, 4.459, 133.221

Deuteranomaly
97, 0.614, 144.910

Tritanomaly
97, 4.916, 211.258

Monochromacy



Original Color
97, 9.884, 171.080

Achromatopsia
96, 0.011, 296.813

Achromatomaly
97, 3.519, 173.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 9.884, 171.080 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(227, 252, 243)` looks like.

```
.text, #text, p{  
    color:rgb(227, 252, 243)  
}
```

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(227, 252, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 252, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 9.884, 171.080 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(227, 252, 243) }
```

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

```
.border{ border-color:rgb(227, 252, 243) }
```

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

Here you see how a box with a 4 pixel rgb(227, 252, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 252, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 252, 243);  
box-shadow:4px 4px 4px 4px rgb(227, 252,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 9.884, 171.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 252, 243) }
```

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

```
.background{ background-color: rgb(227,  
252, 243) }
```

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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