

Converting Colors

CIELCh(100, 23.273, 177.557)

Have a look what the booklet for
CIELCh(100, 23.273, 177.557)
contains.

CIELCh(97, 17.386, 193.248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(97, 17.386, 193.248)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFFD
RGB	204, 255, 253
RGB Percent	80%, 100%, 99%
CMY	0.1985, 0.0000, 0.0062
CMYK	0.20, 0.00, 0.01, 0.00
HSL	178°, 100%, 90%
HSV	178°, 20%, 100%
XYZ	79.0179, 92.4403, 106.9540
YIQ	239.5230, -29.7540, -11.4340

Conversions

Conversions Part 2

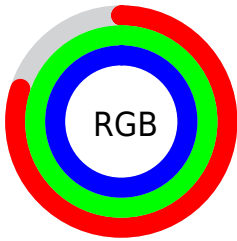
Format	Color
R_{YB}	204, 230, 255
Decimal	13434877
CIE Lab	97.00, -16.92, -3.98
CIE LCh	97, 17.386, 193.248
Yxy	92.4403, 0.2838, 0.3320
Android (android.graphics.Color)	4291624957 (0xFFCCFFFD)
YUV	239.5230, 6.6442, -31.1537
Hunter-Lab	96.1459, -21.5542, 1.3471

Details

The CIELCh color **97, 17.386, 193.248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 19.069, 18.383**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 16.896, 194.478** is the 20% darker color. If you saturate the color by 10%, you get **95, 24.485, 195.015**, and if you desaturate by 10%, it is **98, 8.588, 196.258**.

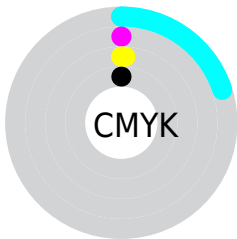
Distribution



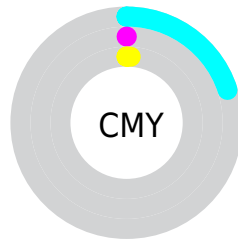
- Red (80%)
- Green (100%)
- Blue (99%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 17.386, 193.248 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, 17.386, 193.248 by changing the saturation by 10% instead.

97, 17.386,
193.248

97, 17.386,
193.248

100, 17.386,
193.248

87, 17.386,
193.248

77, 17.386,
193.248

67, 17.386,
193.248

57, 17.386,
193.248

47, 17.386,
193.248

37, 17.386,
193.248

27, 17.386,

193.248

■ 17, 17.386,
193.248

■ 7, 17.386, 193.248

■ 97, 17.386,
193.248

■ 97, 17.386,
193.248

■ 95, 24.485,
195.015

■ 98, 8.588, 196.258

■ 94, 31.365,
194.457

100, 0.012,
296.813

■ 93, 37.340,
193.931

■ 92, 42.293,
193.436

■ 92, 46.147,
192.966

■ 91, 48.885,
192.513

■ 91, 50.562,
192.066

■ 91, 51.383,
191.616

■ 91, 51.393,
191.609

Harmonies

Complementary

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



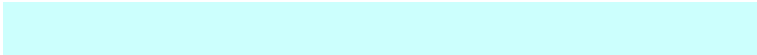
97, 17.386, 193.248



87, 19.069, 18.383

Rectangle

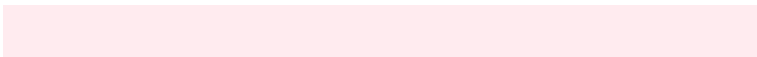
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



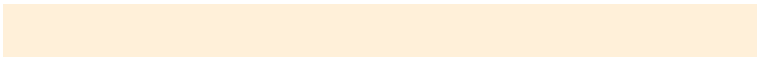
97, 17.386, 193.248



97, 17.386, 243.248



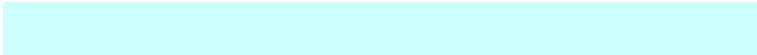
97, 17.386, 13.248



97, 17.386, 63.248

Sweetspot

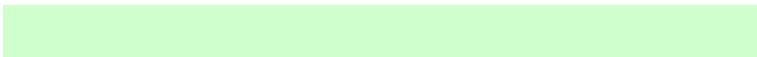
The Sweet Spot groups the original color and five complimentary colors.



97, 16.844, 195.610



99, 5.278, 196.547



96, 31.375, 142.329



53, 3.496, 196.493



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

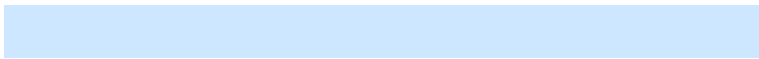
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 16.844, 195.610



96, 20.099, 195.359



91, 14.933, 254.533



52, 4.962, 196.282



70, 41.375, 191.689



24, 18.973, 192.241

Inverse Universe

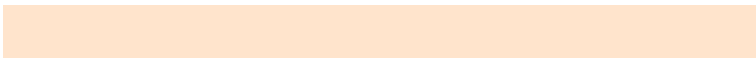
The Inverse Universe completely reimagines the original color for something new.



87, 19.069, 18.383



84, 23.411, 18.833



92, 15.921, 69.337



49, 5.253, 17.413



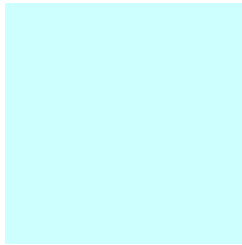
40, 82.859, 38.791



10, 33.111, 25.927

Previews

White Background



This preview shows how the CIE LCh color 97, 17.386, 193.248 looks on a white background.

Color Contrast Check

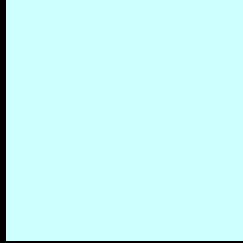
Large Text (above 18pt) WCAG AA × Fail

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, 17.386, 193.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

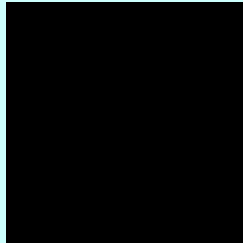
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

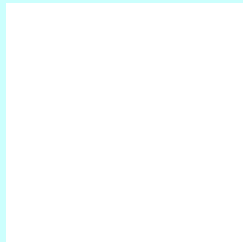
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 17.386, 193.248

Background



This preview shows how black text looks on a background with the CIELCh color 97, 17.386, 193.248.

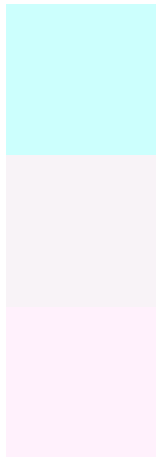


This preview shows how white text looks on a background with the CIELCh color 97, 17.386, 193.248.

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](#).

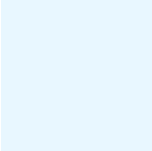
Dichromacy



Original Color
97, 16.993, 194.899

Protanopia
96, 2.723, 330.521

Deuteranopia
96, 7.514, 331.329

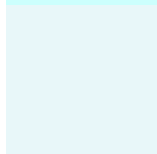


Tritanopia
96, 6.492, 238.439

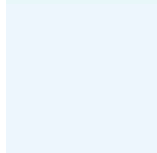
Trichromacy



Original Color
97, 16.993, 194.899



Protanomaly
96, 5.256, 210.458



Deuteranomaly
96, 4.698, 249.213

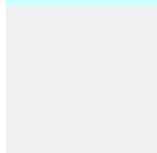


Tritanomaly
96, 9.648, 211.183

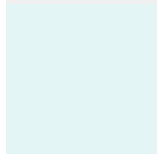
Monochromacy



Original Color
97, 16.993, 194.899



Achromatopsia
95, 0.011, 296.813



Achromatomaly
95, 6.221, 199.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 17.386, 193.248 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(204, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 253)  
}
```

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(204, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 17.386, 193.248 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(204, 255, 253) }
```

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

```
.border{ border-color:rgb(204, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 17.386, 193.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 253) }
```

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

```
.background{ background-color: rgb(204,  
255, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor