

Converting Colors

CIELCh(97, 15.020, 170.734)

Have a look what the booklet for
CIELCh(97, 15.020, 170.734)
contains.

CIELCh(97, 15.034, 170.037)	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, 15.034, 170.037)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFF1
RGB	217, 255, 241
RGB Percent	85%, 100%, 95%
CMY	0.1498, 0.0008, 0.0557
CMYK	0.15, 0.00, 0.05, 0.00
HSL	158°, 99%, 92%
HSV	158°, 15%, 100%
XYZ	80.0897, 92.4403, 96.6741
YIQ	242.0420, -18.1540, -12.4100

Conversions

Conversions Part 2

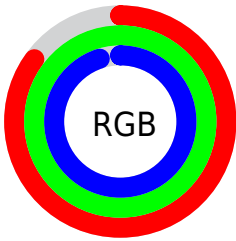
Format	Color
R _Y B	217, 240, 255
Decimal	14286833
CIE Lab	97.00, -14.81, 2.60
CIE LCh	97, 15.034, 170.037
Yxy	92.4403, 0.2975, 0.3434
Android (android.graphics.Color)	4292476913 (0xFFD9FFF1)
YUV	242.0420, -0.5137, -21.9618
Hunter-Lab	96.1459, -19.5645, 7.6864

Details

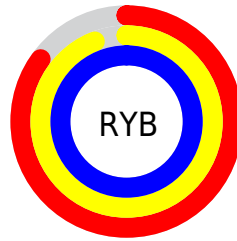
The CIELCh color **97, 15.034, 170.037** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **90, 15.548, 352.805**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 14.830, 170.194** is the 20% darker color. If you saturate the color by 10%, you get **95, 24.896, 168.979**, and if you desaturate by 10%, it is **99, 4.972, 171.060**.

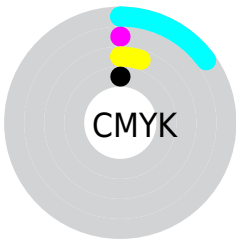
Distribution



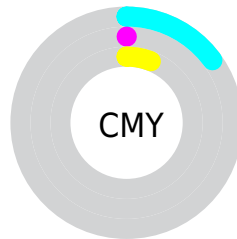
- Red (85%)
- Green (100%)
- Blue (95%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 15.034, 170.037 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, 15.034, 170.037 by changing the saturation by 10% instead.


 97, 15.034,
170.037


 97, 15.034,
170.037


 100, 15.034,
170.037


 87, 15.034,
170.037


 77, 15.034,
170.037

 67, 15.034,
170.037

 57, 15.034,
170.037

 47, 15.034,
170.037

 37, 15.034,
170.037

 27, 15.034,

170.037

■ 17, 15.034,
170.037

■ 7, 15.034, 170.037

■ 97, 15.034,
170.037

■ 97, 15.034,
170.037

■ 95, 24.896,
168.979

■ 99, 4.972, 171.060

■ 94, 34.398,
167.828

100, 0.141,
322.244

■ 92, 43.372,
166.555

■ 91, 51.644,
165.132

■ 91, 59.061,
163.534

■ 90, 65.510,
161.737

■ 89, 70.952,
159.726

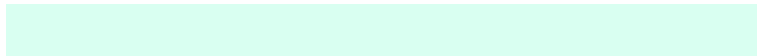
■ 89, 75.445,
157.508

■ 89, 77.479,
156.344

Harmonies

Complementary

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



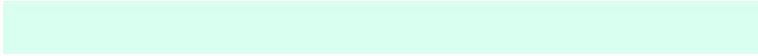
97, 15.034, 170.037



90, 15.548, 352.805

Rectangle

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



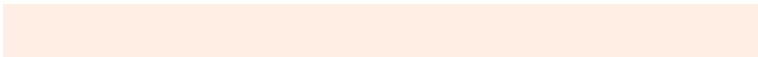
97, 15.034, 170.037



97, 15.034, 220.037



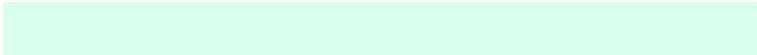
97, 15.034, 350.037



97, 15.034, 40.037

Sweetspot

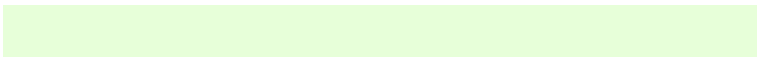
The Sweet Spot groups the original color and five complimentary colors.



97, 15.036, 170.033



99, 4.050, 171.169



97, 21.142, 132.394



53, 2.879, 171.079



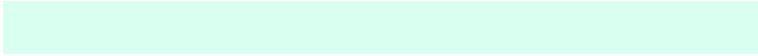
0, 0.000, 0.000



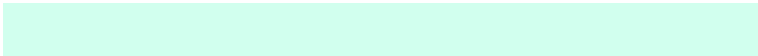
53, 0.007, 296.813

Same Dimension

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



97, 15.036, 170.033



97, 18.120, 169.716



96, 11.448, 210.253



52, 5.752, 170.579



69, 61.968, 156.773



23, 27.004, 159.931

Inverse Universe

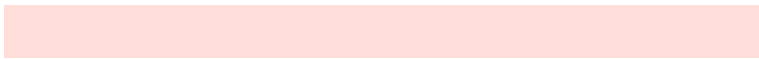
The Inverse Universe completely reimagines the original color for something new.



90, 15.548, 352.805



88, 18.868, 353.147



91, 12.653, 30.598



50, 5.878, 352.230



41, 68.830, 14.858



10, 31.286, 7.478

Previews

White Background



This preview shows how the CIE LCh color 97, 15.034, 170.037 looks on a white background.

Color Contrast Check

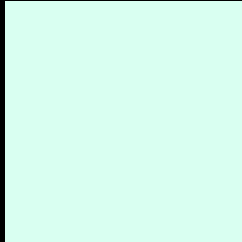
Large Text (above 18pt) WCAG AA × Fail

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, 15.034, 170.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

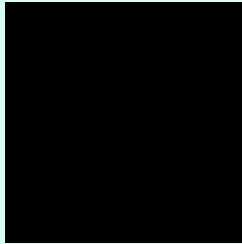
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

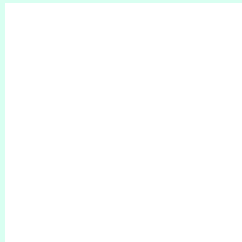
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 15.034, 170.037

Background



This preview shows how black text looks on a background with the CIELCh color 97, 15.034, 170.037.

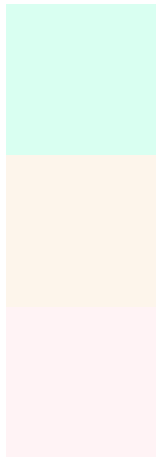


This preview shows how white text looks on a background with the CIELCh color 97, 15.034, 170.037.

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, 15.034, 170.037

Protanopia
97, 5.831, 80.220

Deuteranopia
97, 4.386, 6.104

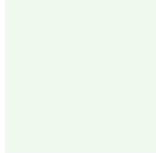


Tritanopia
97, 4.917, 246.167

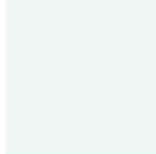
Trichromacy



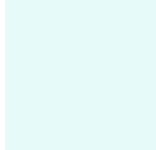
Original Color
97, 15.034, 170.037



Protanomaly
97, 6.929, 137.119



Deuteranomaly
97, 2.949, 155.634

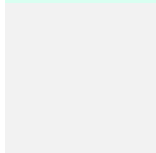


Tritanomaly
97, 6.874, 199.059

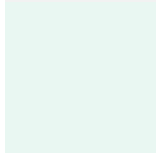
Monochromacy



Original Color
97, 15.034, 170.037



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 5.553, 171.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 15.034, 170.037 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(217, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 241)  
}
```

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(217, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 15.034, 170.037 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(217, 255, 241) }
```

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

```
.border{ border-color:rgb(217, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(217, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 15.034, 170.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 241) }
```

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

```
.background{ background-color: rgb(217,  
255, 241) }
```

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