

Converting Colors

CIELCh(100, 18.733, 159.653)

Have a look what the booklet for
CIELCh(100, 18.733, 159.653)
contains.

CIELCh(97, 13.008, 167.927)	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, 13.008, 167.927)

Conversions

Conversions Part 1

Format	Color
Hex	DEFEF1
RGB	222, 254, 241
RGB Percent	87%, 100%, 95%
CMY	0.1308, 0.0054, 0.0564
CMYK	0.13, 0.00, 0.05, 0.01
HSL	156°, 92%, 93%
HSV	156°, 13%, 99%
XYZ	81.1562, 92.4403, 96.4936
YIQ	242.9500, -14.8990, -10.8270

Conversions

Conversions Part 2

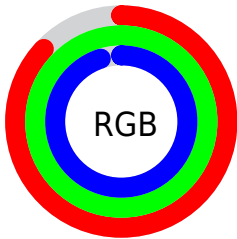
Format	Color
R _Y B	222, 242, 254
Decimal	14614257
CIE Lab	97.00, -12.72, 2.72
CIE LCh	97, 13.008, 167.927
Yxy	92.4403, 0.3005, 0.3423
Android (android.graphics.Color)	4292804337 (0xFFDEFEF1)
YUV	242.9500, -0.9613, -18.3731
Hunter-Lab	96.1459, -17.5845, 7.7977

Details

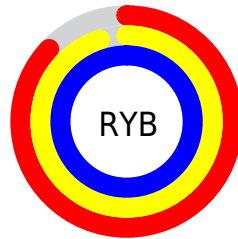
The CIELCh color **97, 13.008, 167.927** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **91, 13.332, 350.167**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 12.733, 168.062** is the 20% darker color. If you saturate the color by 10%, you get **95, 23.190, 166.896**, and if you desaturate by 10%, it is **99, 2.690, 168.999**.

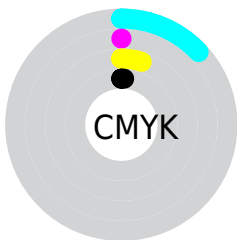
Distribution



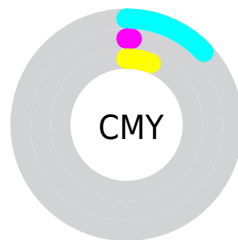
- Red (87%)
- Green (100%)
- Blue (95%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (13%)
- Magenta (1%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 13.008, 167.927 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, 13.008, 167.927 by changing the saturation by 10% instead.


 97, 13.008,
167.927


 97, 13.008,
167.927


 100, 13.008,
167.927


 87, 13.008,
167.927

 77, 13.008,
167.927

 67, 13.008,
167.927

 57, 13.008,
167.927

 47, 13.008,
167.927

 37, 13.008,
167.927

 27, 13.008,

167.927

■ 17, 13.008,
167.927

■ 7, 13.008, 167.927

■ 97, 13.008,
167.927

■ 97, 13.008,
167.927

■ 95, 23.190,
166.896

■ 99, 2.690, 168.999

■ 94, 33.081,
165.776

100, 0.867,
324.115

■ 92, 42.513,
164.531

■ 91, 51.308,
163.136

■ 90, 59.299,
161.565

■ 89, 66.355,
159.793

■ 89, 72.410,
157.805

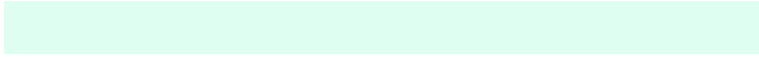
■ 89, 77.490,
155.606

■ 88, 80.757,
153.898

Harmonies

Complementary

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



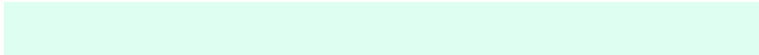
97, 13.008, 167.927



91, 13.332, 350.167

Rectangle

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



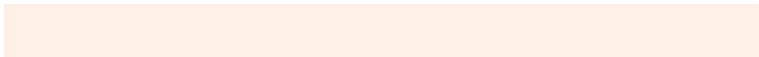
97, 13.008, 167.927



97, 13.008, 217.927



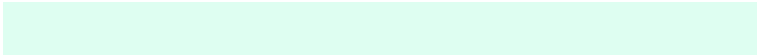
97, 13.008, 347.927



97, 13.008, 37.927

Sweetspot

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



97, 13.010, 167.923



99, 4.150, 168.807



97, 17.638, 131.389



53, 2.950, 168.719



0, 0.000, 0.000



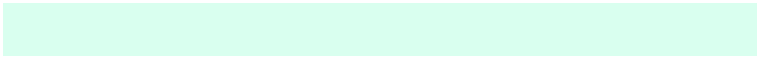
53, 0.007, 296.813

Same Dimension

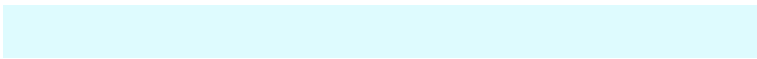
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 13.010, 167.923



97, 15.533, 167.683



97, 9.984, 206.726



52, 5.899, 168.230



68, 64.793, 154.326



23, 28.130, 157.532

Inverse Universe

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



91, 13.332, 350.167



90, 15.989, 350.417



92, 10.855, 27.341



50, 6.011, 349.850



41, 68.254, 11.203



10, 31.313, 4.260

Previews

White Background



This preview shows how the CIE LCh color 97, 13.008, 167.927 looks on a white background.

Color Contrast Check

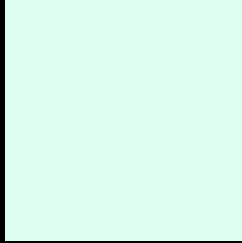
Large Text (above 18pt) WCAG AA × Fail

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, 13.008, 167.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

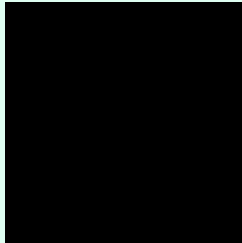
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

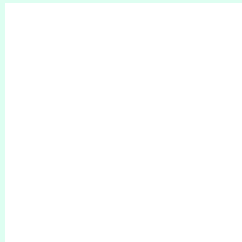
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 13.008, 167.927

Background



This preview shows how black text looks on a background with the CIELCh color 97, 13.008, 167.927.

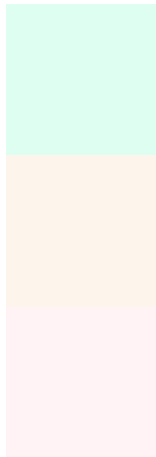


This preview shows how white text looks on a background with the CIELCh color 97, 13.008, 167.927.

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](#).

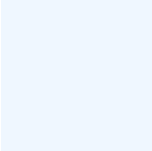
Dichromacy



Original Color
97, 13.018, 167.923

Protanopia
97, 5.390, 77.620

Deuteranopia
97, 4.386, 6.104

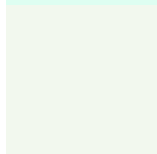


Tritanopia
97, 4.893, 256.310

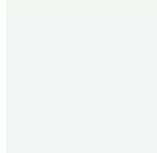
Trichromacy



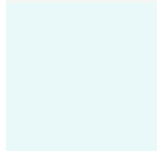
Original Color
97, 13.018, 167.923



Protanomaly
97, 5.542, 132.348



Deuteranomaly
97, 2.487, 144.473

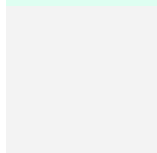


Tritanomaly
97, 5.530, 204.488

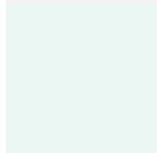
Monochromacy



Original Color
97, 13.018, 167.923



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 4.947, 168.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 13.008, 167.927 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(222, 254, 241)` looks like.

```
.text, #text, p{  
    color:rgb(222, 254, 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(222, 254, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 254, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 13.008, 167.927 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(222, 254, 241) }
```

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

```
.border{ border-color:rgb(222, 254, 241) }
```

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

Here you see how a box with a 4 pixel rgb(222, 254, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 254, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 254, 241);  
box-shadow:4px 4px 4px 4px rgb(222, 254,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 13.008, 167.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 254, 241) }
```

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

```
.background{ background-color: rgb(222,  
254, 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