

Converting Colors

CIELCh(97, 9.455, 162.078)

Have a look what the booklet for
CIELCh(97, 9.455, 162.078) contains.

CIELCh(97, 9.312, 161.752)	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, 9.312, 161.752)

Conversions

Conversions Part 1

Format	Color
Hex	E6FBF0
RGB	230, 251, 240
RGB Percent	90%, 98%, 94%
CMY	0.0965, 0.0141, 0.0573
CMYK	0.08, 0.00, 0.04, 0.01
HSL	149°, 74%, 94%
HSV	149°, 8%, 99%
XYZ	83.1622, 92.4403, 96.1999
YIQ	243.4670, -8.9850, -7.8730

Conversions

Conversions Part 2

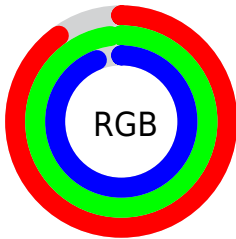
Format	Color
R _Y B	230, 244, 251
Decimal	15137776
CIE Lab	97.00, -8.84, 2.92
CIE LCh	97, 9.312, 161.752
Yxy	92.4403, 0.3060, 0.3401
Android (android.graphics.Color)	4293327856 (0xFFE6FBF0)
YUV	243.4670, -1.7092, -11.8106
Hunter-Lab	96.1459, -13.8602, 7.9788

Details

The CIELCh color **97, 9.312, 161.752** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 9.413, 343.021**, 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, 9.152, 162.834** is the 20% darker color. If you saturate the color by 10%, you get **95, 20.462, 160.813**, and if you desaturate by 10%, it is **99, 1.691, 338.455**.

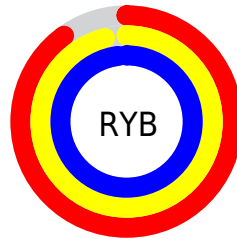
Distribution



Red (90%)

Green (98%)

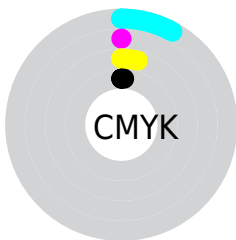
Blue (94%)



Red (90%)

Yellow (96%)

Blue (98%)

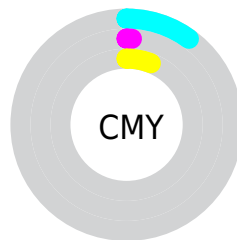


Cyan (8%)

Magenta (0%)

Yellow (4%)

Black (1%)



Cyan (10%)

Magenta (1%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 9.312, 161.752 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, 9.312, 161.752 by changing the saturation by 10% instead.

97, 9.312, 161.752

97, 9.312, 161.752

100, 9.312,
161.752

87, 9.312, 161.752

77, 9.312, 161.752

67, 9.312, 161.752

57, 9.312, 161.752

47, 9.312, 161.752

37, 9.312, 161.752

27, 9.312, 161.752

17, 9.312, 161.752

7, 9.312, 161.752

97, 9.312, 161.752

97, 9.312, 161.752

95, 20.462,
160.813

99, 1.691, 338.455

93, 31.468,
159.789

99, 2.245, 324.382

92, 42.163,
158.637

91, 52.356,
157.332

90, 61.852,
155.847

89, 70.477,
154.159

88, 78.101,
152.255

88, 84.676,
150.141

■ 87, 90.281,
147.870

Harmonies

Complementary

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



97, 9.312, 161.752



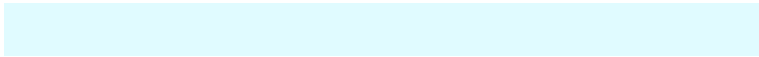
93, 9.413, 343.021

Rectangle

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



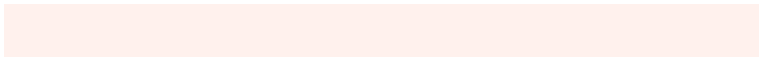
97, 9.312, 161.752



97, 9.312, 211.752



97, 9.312, 341.752



97, 9.312, 31.752

Sweetspot

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



97, 9.314, 161.747



99, 3.372, 162.285



98, 11.278, 127.525



53, 2.558, 162.190



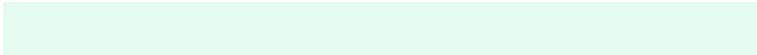
0, 0.000, 0.000



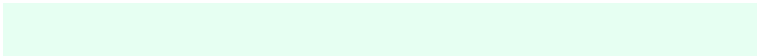
53, 0.007, 296.813

Same Dimension

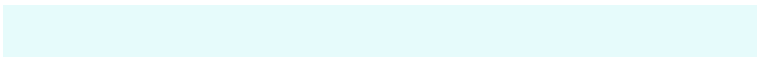
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 9.314, 161.747



98, 11.278, 161.596



97, 7.232, 196.189



51, 6.306, 161.643



67, 72.809, 147.938



22, 30.747, 151.324

Inverse Universe

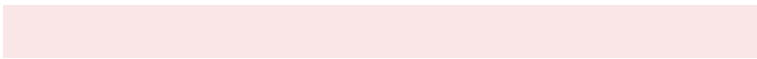
The Inverse Universe completely reimagines the original color for something new.



93, 9.413, 343.021



93, 11.415, 343.171



93, 7.601, 17.144



49, 6.380, 343.124



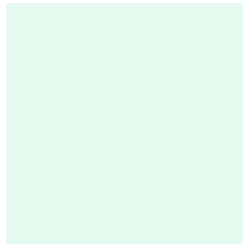
41, 67.887, 359.811



10, 31.308, 354.352

Previews

White Background



This preview shows how the CIELCh color 97, 9.312, 161.752 looks on a white background.

Color Contrast Check

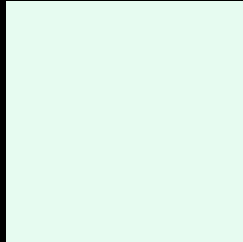
Large Text (above 18pt) WCAG AA × Fail

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, 9.312, 161.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

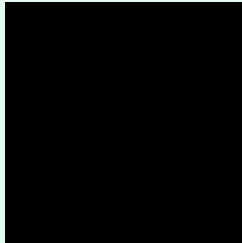
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

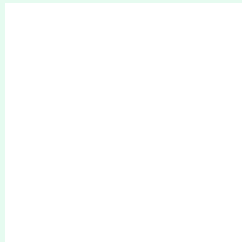
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 97, 9.312, 161.752

Background



This preview shows how black text looks on a background with the CIELCh color 97, 9.312, 161.752.

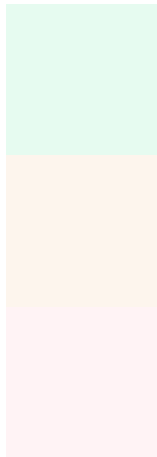


This preview shows how white text looks on a background with the CIELCh color 97, 9.312, 161.752.

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, 9.312, 161.752

Protanopia

97, 4.963, 74.558

Deuteranopia

97, 4.386, 6.104



Tritanopia
97, 4.417, 267.541

Trichromacy



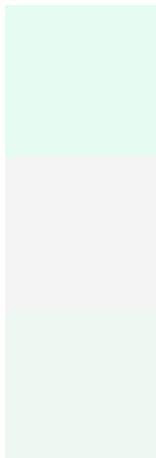
Original Color
97, 9.312, 161.752

Protanomaly
97, 4.645, 118.616

Deuteranomaly
97, 1.521, 110.012

Tritanomaly
97, 3.836, 206.997

Monochromacy



Original Color
97, 9.312, 161.752

Achromatopsia
96, 0.011, 296.813

Achromatomaly
97, 3.489, 163.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 9.312, 161.752 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(230, 251, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 251, 240)  
}
```

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(230, 251, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 251, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 9.312, 161.752 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(230, 251, 240) }
```

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

```
.border{ border-color:rgb(230, 251, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 251, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 251, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 251, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 251,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 9.312, 161.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 251, 240) }
```

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

```
.background{ background-color: rgb(230,  
251, 240) }
```

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