

Converting Colors

CIELCh(100, 37.765, 152.271)

Have a look what the booklet for
CIELCh(100, 37.765, 152.271)
contains.

CIELCh(95, 27.477, 157.003)	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(95, 27.477, 157.003)

Conversions

Conversions Part 1

Format	Color
Hex	C3FEDB
RGB	195, 254, 219
RGB Percent	76%, 100%, 86%
CMY	0.2351, 0.0038, 0.1410
CMYK	0.23, 0.00, 0.14, 0.00
HSL	144°, 97%, 88%
HSV	144°, 23%, 100%
XYZ	70.7569, 87.6183, 80.2314
YIQ	232.3690, -23.9290, -23.3930

Conversions

Conversions Part 2

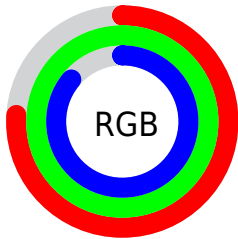
Format	Color
RYB	195, 237, 254
Decimal	12844763
CIELab	95.00, -25.29, 10.73
CIELCh	95, 27.477, 157.003
Yxy	87.6183, 0.2965, 0.3672
Android (android.graphics.Color)	4291034843 (0xFFC3FEDB)
YUV	232.3690, -6.5909, -32.7726
Hunter-Lab	93.6047, -28.8779, 14.7040

Details

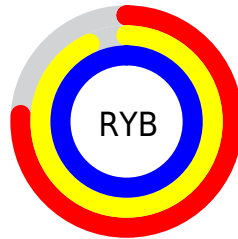
The CIELCh color **95, 27.477, 157.003** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85, 27.975, 340.835**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.042, 199.975**, and **75, 27.501, 157.113** is the 20% darker color. If you saturate the color by 10%, you get **93, 39.121, 155.955**, and if you desaturate by 10%, it is **97, 15.647, 157.931**.

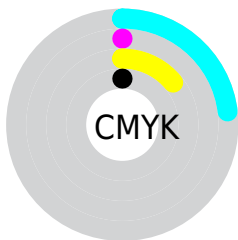
Distribution



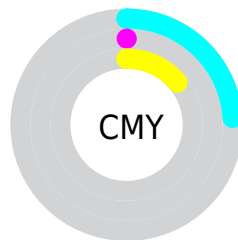
- Red (76%)
- Green (100%)
- Blue (86%)



- Red (76%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 95, 27.477, 157.003 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 95, 27.477, 157.003 by changing the saturation by 10% instead.


 95, 27.477,
157.003


 95, 27.477,
157.003


 100, 27.477,
157.003


 85, 27.477,
157.003

 75, 27.477,
157.003

 65, 27.477,
157.003

 55, 27.477,
157.003

 45, 27.477,
157.003

 35, 27.477,
157.003

 25, 27.477,

157.003

■ 15, 27.477,
157.003

■ 5, 27.477, 157.003

■ 95, 27.477,
157.003

■ 95, 27.477,
157.003

■ 93, 39.121,
155.955

■ 97, 15.647,
157.931

■ 92, 50.380,
154.763

■ 99, 3.787, 158.832

■ 91, 61.044,
153.399

100, 0.618,
323.962

■ 90, 70.902,
151.840

■ 89, 79.774,
150.074

■ 88, 87.537,
148.101

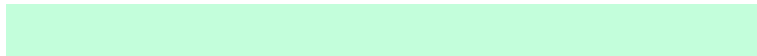
■ 88, 94.161,
145.954

■ 88, 98.097,
144.468

Harmonies

Complementary

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



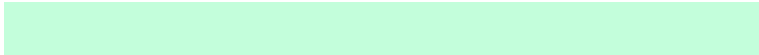
95, 27.477, 157.003



85, 27.975, 340.835

Rectangle

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



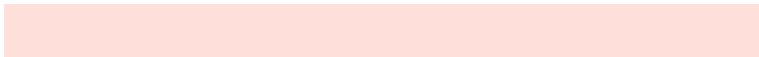
95, 27.477, 157.003



95, 27.477, 207.003



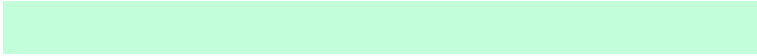
95, 27.477, 337.003



95, 27.477, 27.003

Sweetspot

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



95, 27.479, 157.002



98, 8.297, 158.472



97, 31.131, 124.322



52, 5.393, 158.419



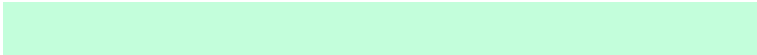
0, 0.000, 0.000



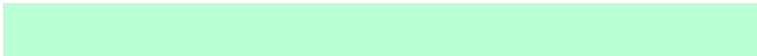
53, 0.007, 296.813

Same Dimension

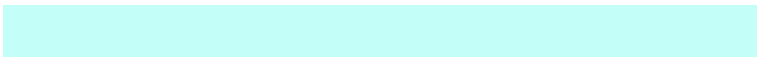
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 27.479, 157.002



95, 33.189, 156.517



96, 19.843, 189.362



52, 6.746, 158.254



68, 78.536, 144.875



23, 33.776, 148.017

Inverse Universe

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



85, 27.975, 340.835



82, 33.894, 341.282



84, 22.510, 13.380



50, 6.804, 339.649



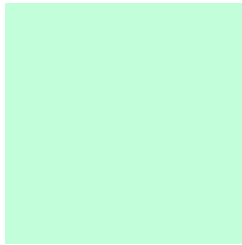
42, 70.149, 353.580



11, 33.041, 349.450

Previews

White Background



This preview shows how the CIE LCh color 95, 27.477, 157.003 looks on a white background.

Color Contrast Check

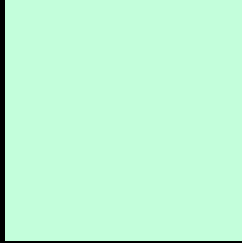
Large Text (above 18pt) WCAG AA × Fail

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 95, 27.477, 157.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

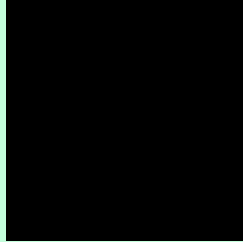
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 95, 27.477, 157.003

Background



This preview shows how black text looks on a background with the CIELCh color 95, 27.477, 157.003.

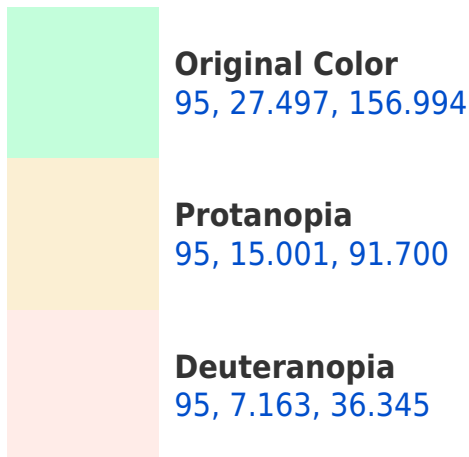


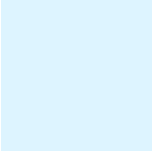
This preview shows how white text looks on a background with the CIELCh color 95, 27.477, 157.003.

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



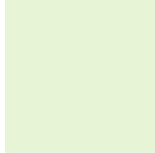


Tritanopia
95, 9.485, 235.741

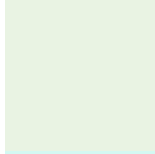
Trichromacy



Original Color
95, 27.497, 156.994



Protanomaly
95, 16.089, 126.125



Deuteranomaly
95, 8.975, 133.057

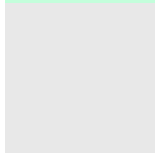


Tritanomaly
95, 12.756, 184.602

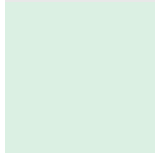
Monochromacy



Original Color
95, 27.497, 156.994



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 10.073, 157.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 27.477, 157.003 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(195, 254, 219)` looks like.

```
.text, #text, p{  
    color:rgb(195, 254, 219)  
}
```

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(195, 254, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 254, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 27.477, 157.003 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(195, 254, 219) }
```

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

```
.border{ border-color:rgb(195, 254, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 254, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 254, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 254, 219);  
box-shadow:4px 4px 4px 4px rgb(195, 254,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 27.477, 157.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 254, 219) }
```

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

```
.background{ background-color: rgb(195,  
254, 219) }
```

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