

Converting Colors

CIELCh(95, 28.747, 177.712)

Have a look what the booklet for
CIELCh(95, 28.747, 177.712)
contains.

CIELCh(95, 28.096, 178.329)	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, 28.096, 178.329)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFEE
RGB	176, 255, 238
RGB Percent	69%, 100%, 93%
CMY	0.3096, 0.0000, 0.0664
CMYK	0.31, 0.00, 0.07, 0.00
HSL	167°, 100%, 85%
HSV	167°, 31%, 100%
XYZ	69.4576, 87.6183, 94.1815
YIQ	229.4410, -41.6270, -22.0350

Conversions

Conversions Part 2

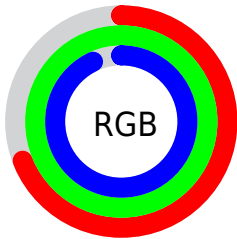
Format	Color
RYB	176, 220, 255
Decimal	11599854
CIELab	95.00, -28.08, 0.82
CIELCh	95, 28.096, 178.329
Yxy	87.6183, 0.2764, 0.3487
Android (android.graphics.Color)	4289789934 (0xFFB0FFEE)
YUV	229.4410, 4.2196, -46.8678
Hunter-Lab	93.6047, -31.3555, 5.8679

Details

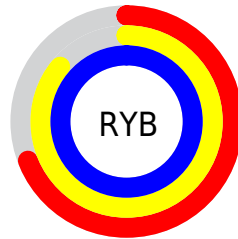
The CIELCh color **95, 28.096, 178.329** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **80, 31.243, 5.688**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 7.521, 199.018**, and **75, 27.524, 178.921** is the 20% darker color. If you saturate the color by 10%, you get **93, 35.481, 178.078**, and if you desaturate by 10%, it is **96, 19.073, 180.214**.

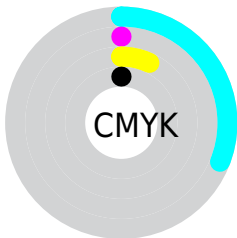
Distribution



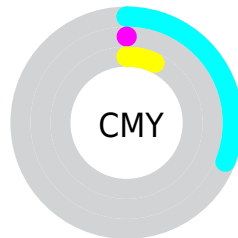
- Red (69%)
- Green (100%)
- Blue (93%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 95, 28.096, 178.329 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, 28.096, 178.329 by changing the saturation by 10% instead.


 95, 28.096,
178.329


 95, 28.096,
178.329


 100, 28.096,
178.329


 85, 28.096,
178.329

 75, 28.096,
178.329

 65, 28.096,
178.329

 55, 28.096,
178.329

 45, 28.096,
178.329

 35, 28.096,
178.329

 25, 28.096,

178.329

■ 15, 28.096,
178.329

■ 5, 28.096, 178.329

■ 95, 28.096,
178.329

■ 95, 28.096,
178.329

■ 93, 35.481,
178.078

■ 96, 19.073,
180.214

■ 92, 42.630,
176.884

■ 98, 10.131,
181.204

■ 91, 48.879,
175.575

■ 100, 0.896,
182.734

■ 91, 54.123,
174.127

■ 100, 0.012,
296.813

■ 90, 58.316,
172.515

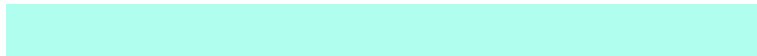
■ 90, 61.499,
170.724

■ 90, 63.688,
168.979

Harmonies

Complementary

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



95, 28.096, 178.329



80, 31.243, 5.688

Rectangle

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



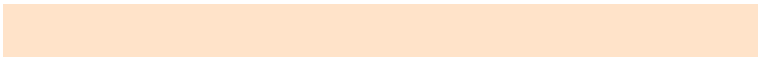
95, 28.096, 178.329



95, 28.096, 228.329



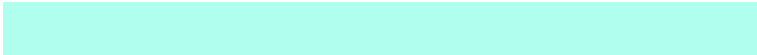
95, 28.096, 358.329



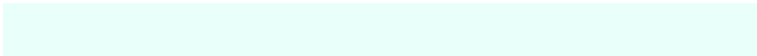
95, 28.096, 48.329

Sweetspot

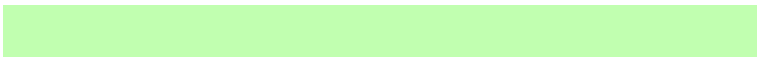
The Sweet Spot groups the original color and five complimentary colors.



95, 27.575, 179.181



98, 8.336, 181.399



94, 46.146, 136.678



52, 5.783, 181.254



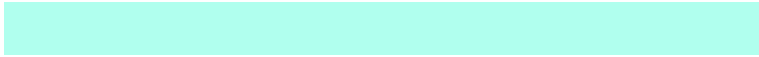
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

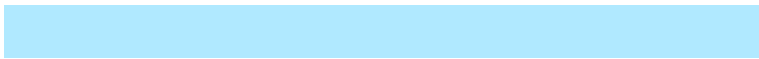
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95, 27.575, 179.181



94, 32.429, 178.525



89, 20.982, 232.395



52, 5.263, 181.349



69, 51.052, 169.342



23, 22.725, 171.947

Inverse Universe

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



80, 31.243, 5.688



76, 37.734, 6.655



84, 25.528, 47.908



50, 5.458, 2.985



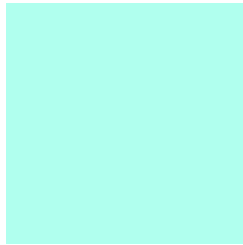
40, 74.237, 28.482



10, 31.899, 17.982

Previews

White Background



This preview shows how the CIE LCh color 95, 28.096, 178.329 looks on a white background.

Color Contrast Check

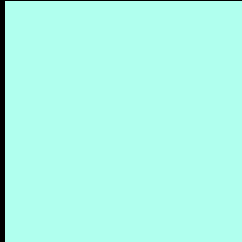
Large Text (above 18pt) WCAG AA × Fail

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 95, 28.096, 178.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

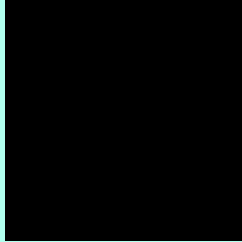
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

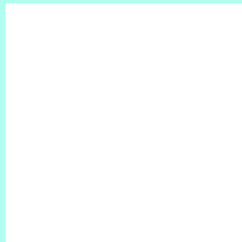
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 95, 28.096, 178.329

Background



This preview shows how black text looks on a background with the CIELCh color 95, 28.096, 178.329.

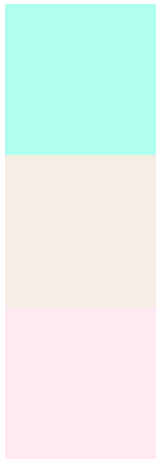


This preview shows how white text looks on a background with the CIELCh color 95, 28.096, 178.329.

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
95, 27.599, 179.133

Protanopia
94, 5.696, 83.391

Deuteranopia
94, 9.125, 349.585

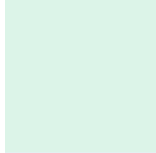


Tritanopia
95, 11.452, 225.634

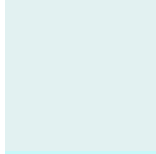
Trichromacy



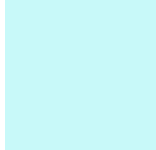
Original Color
95, 27.599, 179.133



Protanomaly
94, 10.519, 162.865

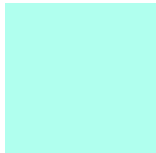


Deuteranomaly
94, 5.214, 199.182

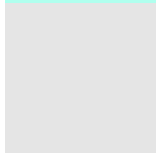


Tritanomaly
95, 16.302, 198.404

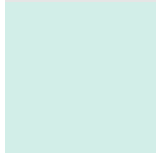
Monochromacy



Original Color
95, 27.599, 179.133



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 10.268, 181.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 95, 28.096, 178.329 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(176, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 238)  
}
```

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(176, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 95, 28.096, 178.329 is called "border". The border property can be set on classes, ids or directly on the HTML element.

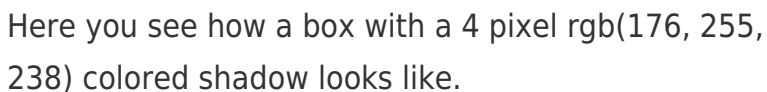
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 255, 238) }
```

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

```
.border{ border-color:rgb(176, 255, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 238); box-shadow:4px 4px 4px 4px rgb(176, 255, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 95, 28.096, 178.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 238) }
```

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

```
.background{ background-color: rgb(176,  
255, 238) }
```

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