

Converting Colors

CIELCh(87, 23.592, 223.770)

Have a look what the booklet for
CIELCh(87, 23.592, 223.770)
contains.

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Color

CIELCh(87, 23.604, 223.232)

Conversions

Conversions Part 1

Format	Color
Hex	9FE5F8
RGB	159, 229, 248
RGB Percent	62%, 90%, 97%
CMY	0.3774, 0.1029, 0.0284
CMYK	0.36, 0.08, 0.00, 0.03
HSL	193°, 86%, 80%
HSV	193°, 36%, 97%
XYZ	59.1022, 70.0064, 98.9968
YIQ	210.2360, -47.8190, -8.9310

Conversions

Conversions Part 2

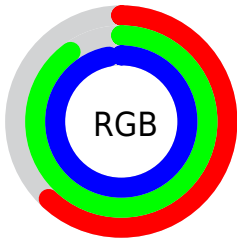
Format	Color
RYB	159, 198, 248
Decimal	10479096
CIELab	87.00, -17.20, -16.17
CIELCh	87, 23.604, 223.232
Yxy	70.0064, 0.2591, 0.3069
Android (android.graphics.Color)	4288669176 (0xFF9FE5F8)
YUV	210.2360, 18.6177, -44.9340
Hunter-Lab	83.6698, -20.3343, -11.5821

Details

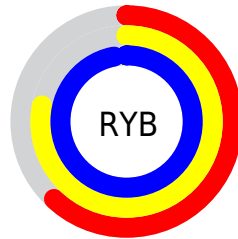
The CIELCh color **87, 23.604, 223.232** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 30.467, 40.640**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.092, 198.632**, and **67, 23.713, 224.371** is the 20% darker color. If you saturate the color by 10%, you get **84, 28.856, 224.401**, and if you desaturate by 10%, it is **90, 17.684, 222.362**.

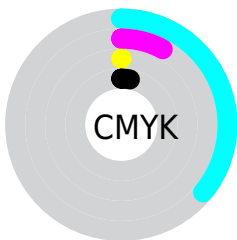
Distribution



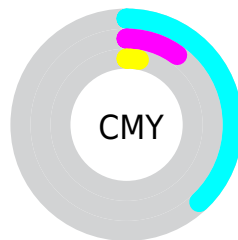
- Red (62%)
- Green (90%)
- Blue (97%)



- Red (62%)
- Yellow (78%)
- Blue (97%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)





- Cyan (38%)
- Magenta (10%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 23.604, 223.232 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 87, 23.604, 223.232 by changing the saturation by 10% instead.


 87, 23.604,
223.232


 87, 23.604,
223.232


 100, 23.604,
223.232


 77, 23.604,
223.232

 67, 23.604,
223.232

 57, 23.604,
223.232

 47, 23.604,
223.232

 37, 23.604,
223.232

 27, 23.604,
223.232

 17, 23.604,

223.232

■ 7, 23.604, 223.232

■ 0, 23.604, 223.232

■ 87, 23.604,
223.232

■ 87, 23.604,
223.232

■ 84, 28.856,
224.401

■ 90, 17.684,
222.362

■ 82, 33.339,
225.953

■ 93, 11.206,
221.746

■ 80, 36.980,
227.969

■ 96, 4.277, 221.387

■ 78, 39.755,
230.540

■ 99, 2.092, 50.761

■ 100, 3.667,
109.883

■ 76, 41.714,

233.746

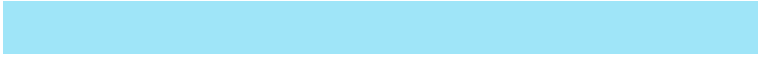
■ 74, 43.002,
237.625

■ 73, 43.440,
239.328

Harmonies

Complementary

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



87, 23.604, 223.232



79, 30.467, 40.640

Rectangle

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



87, 23.604, 223.232



87, 23.604, 273.232



87, 23.604, 43.232



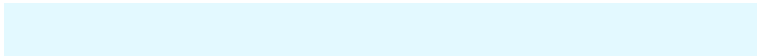
87, 23.604, 93.232

Sweetspot

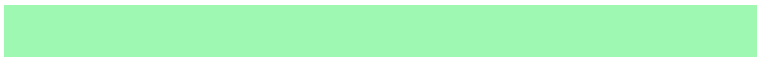
The Sweet Spot groups the original color and five complimentary colors.



87, 23.604, 223.229



97, 8.032, 221.529



91, 48.536, 147.628



51, 5.378, 221.583



0, 0.000, 0.000



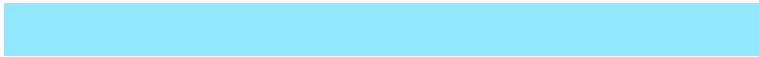
53, 0.007, 296.813

Same Dimension

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



87, 23.604, 223.229



87, 28.037, 224.031



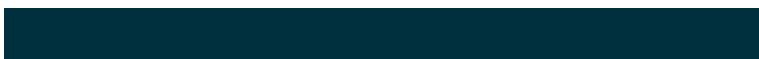
75, 34.241, 279.486



51, 4.099, 221.475



57, 35.318, 238.554



18, 15.767, 232.687

Inverse Universe

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



76, 48.268, 333.397



74, 58.668, 333.918



89, 33.977, 89.076



49, 7.679, 331.576



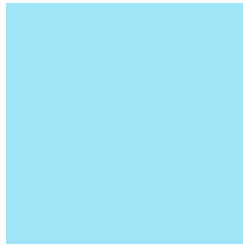
43, 78.119, 339.005



11, 36.058, 337.365

Previews

White Background



This preview shows how the CIE LCh color 87, 23.604, 223.232 looks on a white background.

Color Contrast Check

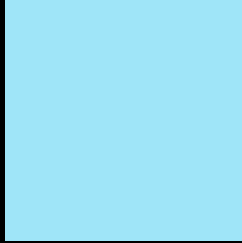
Large Text (above 18pt) WCAG AA × Fail

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 87, 23.604, 223.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

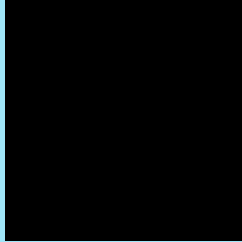
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 23.604, 223.232

Background



This preview shows how black text looks on a background with the CIELCh color 87, 23.604, 223.232.

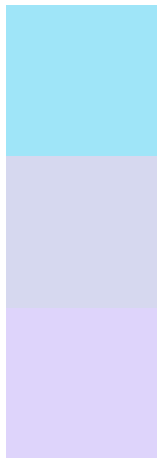


This preview shows how white text looks on a background with the CIELCh color 87, 23.604, 223.232.

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
87, 23.604, 223.232

Protanopia
87, 12.062, 287.920

Deuteranopia
87, 20.804, 301.205

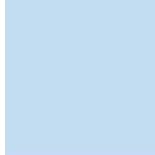


Tritanopia
87, 23.457, 221.974

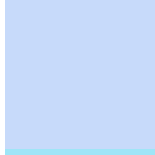
Trichromacy



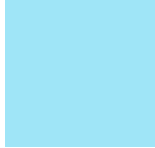
Original Color
87, 23.604, 223.232



Protanomaly
87, 13.998, 251.055

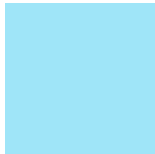


Deuteranomaly
87, 17.728, 270.867

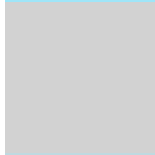


Tritanomaly
87, 23.457, 221.974

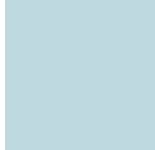
Monochromacy



Original Color
87, 23.604, 223.232



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 9.596, 221.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 23.604, 223.232 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(159, 229, 248)` looks like.

```
.text, #text, p{  
    color:rgb(159, 229, 248)  
}
```

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(159, 229, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 229, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 23.604, 223.232 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(159, 229, 248) }
```

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

```
.border{ border-color:rgb(159, 229, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 229, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 229, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 229, 248);  
box-shadow:4px 4px 4px 4px rgb(159, 229,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 23.604, 223.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 229, 248) }
```

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

```
.background{ background-color: rgb(159,  
229, 248) }
```

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](#).

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