

Converting Colors

CIELCh(88, 41.220, 255.538)

Have a look what the booklet for
CIELCh(88, 41.220, 255.538)
contains.

CIELCh(87, 29.925, 224.019)	3
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Color

CIELCh(87, 29.925, 224.019)

Conversions

Conversions Part 1

Format	Color
Hex	89E7FF
RGB	137, 231, 255
RGB Percent	54%, 91%, 100%
CMY	0.4612, 0.0927, 0.0000
CMYK	0.46, 0.09, 0.00, 0.00
HSL	192°, 100%, 77%
HSV	192°, 46%, 100%
XYZ	57.3248, 70.0064, 106.2601
YIQ	205.6300, -63.7280, -12.4640

Conversions

Conversions Part 2

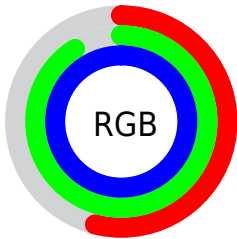
Format	Color
RYB	137, 189, 255
Decimal	9037823
CIELab	87.00, -21.52, -20.79
CIELCh	87, 29.925, 224.019
Yxy	70.0064, 0.2454, 0.2997
Android (android.graphics.Color)	4287227903 (0xFF89E7FF)
YUV	205.6300, 24.3394, -60.1885
Hunter-Lab	83.6698, -24.1263, -16.7290

Details

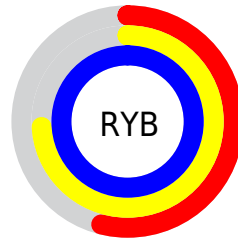
The CIELCh color **87, 29.925, 224.019** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **75, 42.083, 39.784**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.314, 198.231**, and **67, 29.739, 223.041** is the 20% darker color. If you saturate the color by 10%, you get **85, 34.280, 224.077**, and if you desaturate by 10%, it is **90, 24.381, 221.549**.

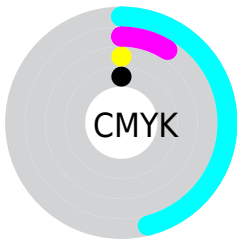
Distribution



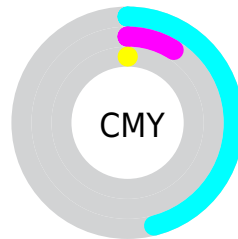
- Red (54%)
- Green (91%)
- Blue (100%)



- Red (54%)
- Yellow (74%)
- Blue (100%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 29.925, 224.019 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, 29.925, 224.019 by changing the saturation by 10% instead.

■ 87, 29.925,
224.019

■ 87, 29.925,
224.019

■ 100, 29.925,
224.019

■ 77, 29.925,
224.019

■ 67, 29.925,
224.019

■ 57, 29.925,
224.019

■ 47, 29.925,
224.019

■ 37, 29.925,
224.019

■ 27, 29.925,
224.019

■ 17, 29.925,

224.019

■ 7, 29.925, 224.019

■ 0, 29.925, 224.019

■ 87, 29.925,
224.019

■ 87, 29.925,
224.019

■ 85, 34.280,
224.077

■ 90, 24.381,
221.549

■ 82, 37.936,
225.968

■ 92, 18.322,
220.760

■ 80, 40.676,
228.393

■ 95, 11.675,
220.212

■ 79, 42.548,
231.431

■ 98, 4.552, 219.910

■ 77, 43.699,

100, 0.012,
296.813

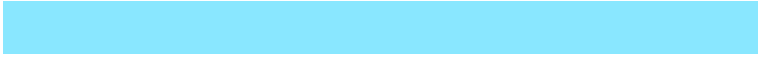
235.124

■ 76, 44.053,
236.669

Harmonies

Complementary

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



87, 29.925, 224.019



75, 42.083, 39.784

Rectangle

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



87, 29.925, 224.019



87, 29.925, 274.019



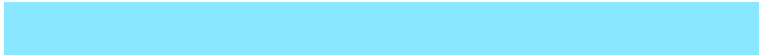
87, 29.925, 44.019



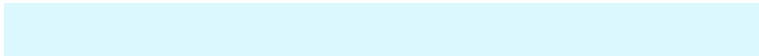
87, 29.925, 94.019

Sweetspot

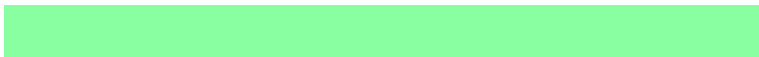
The Sweet Spot groups the original color and five complimentary colors.



87, 29.736, 222.631



96, 10.200, 220.124



91, 63.173, 146.467



50, 6.999, 220.213



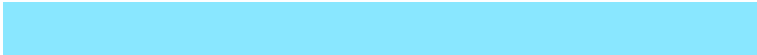
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 29.736, 222.631



85, 33.814, 223.894



71, 45.520, 281.827



52, 4.192, 219.974



58, 35.416, 235.906



19, 16.155, 230.608

Inverse Universe

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



73, 63.122, 333.659



69, 73.684, 334.318



89, 44.866, 87.663



50, 7.877, 331.135



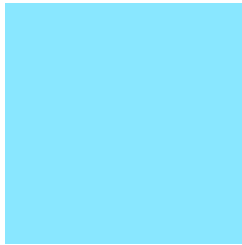
43, 79.616, 338.251



11, 37.298, 336.807

Previews

White Background



This preview shows how the CIE LCh color 87, 29.925, 224.019 looks on a white background.

Color Contrast Check

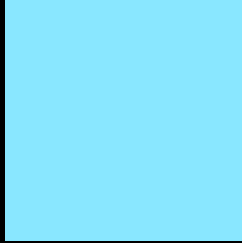
Large Text (above 18pt) WCAG AA × Fail

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, 29.925, 224.019 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, 29.925, 224.019

Background



This preview shows how black text looks on a background with the CIELCh color 87, 29.925, 224.019.

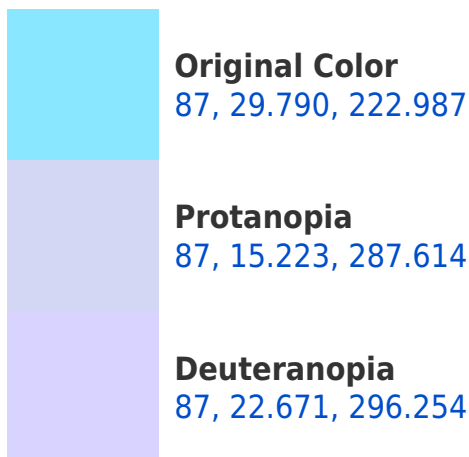


This preview shows how white text looks on a background with the CIELCh color 87, 29.925, 224.019.

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



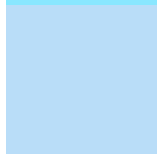


Tritanopia
87, 29.671, 217.471

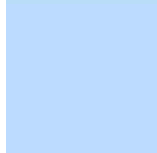
Trichromacy



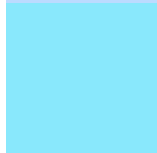
Original Color
87, 29.790, 222.987



Protanomaly
86, 18.040, 250.896



Deuteranomaly
86, 21.027, 263.454

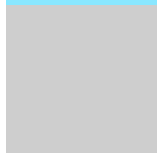


Tritanomaly
87, 29.544, 218.677

Monochromacy



Original Color
87, 29.790, 222.987



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 12.359, 221.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 29.925, 224.019 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(137, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 231, 255)  
}
```

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(137, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 29.925, 224.019 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(137, 231, 255) }
```

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

```
.border{ border-color:rgb(137, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 231, 255); box-shadow:4px 4px 4px 4px rgb(137, 231, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 29.925, 224.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 231, 255) }
```

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

```
.background{ background-color: rgb(137,  
231, 255) }
```

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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