

Converting Colors

CIELCh(89, 44.576, 262.539)

Have a look what the booklet for
CIELCh(89, 44.576, 262.539)
contains.

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Color

CIELCh(87, 28.074, 224.734)

Conversions

Conversions Part 1

Format	Color
Hex	90E6FE
RGB	144, 230, 254
RGB Percent	56%, 90%, 100%
CMY	0.4335, 0.0962, 0.0021
CMYK	0.43, 0.09, 0.00, 0.00
HSL	193°, 99%, 78%
HSV	193°, 43%, 100%
XYZ	57.9688, 70.0064, 104.6043
YIQ	207.0220, -58.9600, -10.7680

Conversions

Conversions Part 2

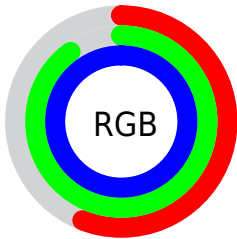
Format	Color
RYB	144, 192, 254
Decimal	9496318
CIELab	87.00, -19.94, -19.76
CIELCh	87, 28.074, 224.734
Yxy	70.0064, 0.2492, 0.3010
Android (android.graphics.Color)	4287686398 (0xFF90E6FE)
YUV	207.0220, 23.1602, -55.2703
Hunter-Lab	83.6698, -22.7524, -15.5557

Details

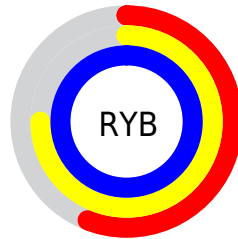
The CIELCh color **87, 28.074, 224.734** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **77, 38.533, 41.236**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **67, 27.975, 224.924** is the 20% darker color. If you saturate the color by 10%, you get **84, 32.878, 226.221**, and if you desaturate by 10%, it is **90, 22.515, 223.609**.

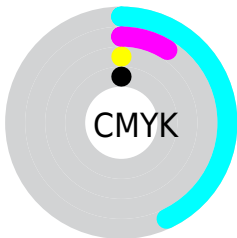
Distribution



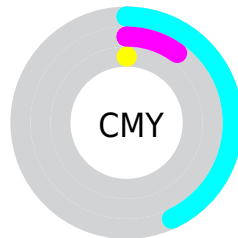
- Red (56%)
- Green (90%)
- Blue (100%)



- Red (56%)
- Yellow (75%)
- Blue (100%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.074, 224.734 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, 28.074, 224.734 by changing the saturation by 10% instead.

■ 87, 28.074,
224.734

■ 87, 28.074,
224.734

■ 100, 28.074,
224.734

■ 77, 28.074,
224.734

■ 67, 28.074,
224.734

■ 57, 28.074,
224.734

■ 47, 28.074,
224.734

■ 37, 28.074,
224.734

■ 27, 28.074,
224.734

■ 17, 28.074,

224.734

■ 7, 28.074, 224.734

■ 0, 28.074, 224.734

■ 87, 28.074,
224.734

■ 87, 28.074,
224.734

■ 84, 32.878,
226.221

■ 90, 22.515,
223.609

■ 82, 36.845,
228.160

■ 93, 16.309,
222.781

■ 80, 39.937,
230.641

■ 96, 9.566, 222.199

■ 78, 42.183,
233.750

■ 99, 2.394, 221.969

100, 0.265,
109.866

■ 76, 43.710,

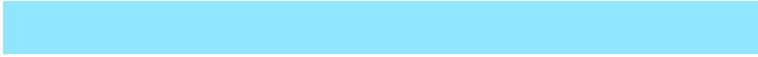
237.538

■ 75, 44.496,
240.414

Harmonies

Complementary

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



87, 28.074, 224.734



77, 38.533, 41.236

Rectangle

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



87, 28.074, 224.734



87, 28.074, 274.734



87, 28.074, 44.734



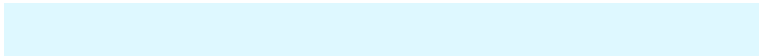
87, 28.074, 94.734

Sweetspot

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



87, 28.073, 224.732



96, 9.424, 222.188



92, 58.582, 147.368



51, 6.554, 222.295



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, 28.073, 224.732



85, 32.387, 226.016



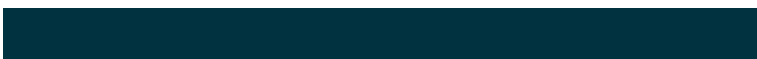
72, 43.393, 282.269



52, 4.159, 222.045



58, 35.795, 239.603



19, 16.225, 233.891

Inverse Universe

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



74, 58.673, 334.120



70, 69.456, 334.791



90, 42.499, 89.350



50, 7.782, 331.746



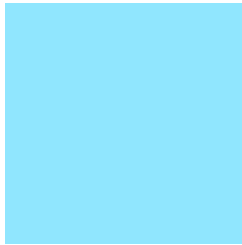
43, 78.625, 339.311



11, 36.880, 337.693

Previews

White Background



This preview shows how the CIE LCh color 87, 28.074, 224.734 looks on a white background.

Color Contrast Check

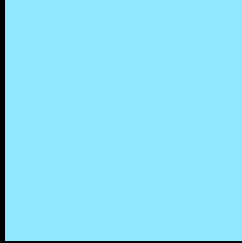
Large Text (above 18pt) WCAG AA × Fail

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, 28.074, 224.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

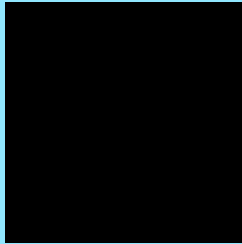
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 28.074, 224.734

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.074, 224.734.

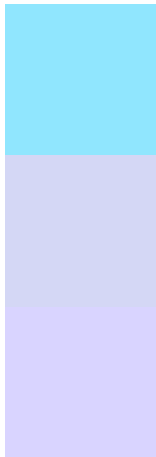


This preview shows how white text looks on a background with the CIELCh color 87, 28.074, 224.734.

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, 28.074, 224.755

Protanopia
87, 15.745, 287.792

Deuteranopia
87, 22.671, 296.254



Tritanopia
87, 27.875, 218.915

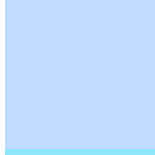
Trichromacy



Original Color
87, 28.074, 224.755



Protanomaly
87, 17.667, 252.478



Deuteranomaly
86, 20.639, 265.763

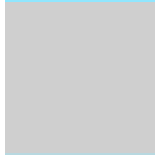


Tritanomaly
87, 27.876, 221.295

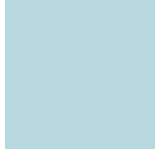
Monochromacy



Original Color
87, 28.074, 224.755



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.593, 220.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.074, 224.734 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(144, 230, 254)` looks like.

```
.text, #text, p{  
    color:rgb(144, 230, 254)  
}
```

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(144, 230, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 230, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.074, 224.734 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(144, 230, 254) }
```

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

```
.border{ border-color:rgb(144, 230, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 230, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 230, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 230, 254);  
box-shadow:4px 4px 4px 4px rgb(144, 230,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.074, 224.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 230, 254) }
```

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

```
.background{ background-color: rgb(144,  
230, 254) }
```

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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