

Converting Colors

CIELCh(87, 27.857, 225.001)

Have a look what the booklet for
CIELCh(87, 27.857, 225.001)
contains.

CIELCh(87, 27.855, 224.994)	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(87, 27.855, 224.994)

Conversions

Conversions Part 1

Format	Color
Hex	91E6FE
RGB	145, 230, 254
RGB Percent	57%, 90%, 100%
CMY	0.4300, 0.0967, 0.0026
CMYK	0.43, 0.09, 0.00, 0.00
HSL	193°, 99%, 78%
HSV	193°, 43%, 100%
XYZ	58.0692, 70.0064, 104.5017
YIQ	207.3210, -58.3640, -10.5560

Conversions

Conversions Part 2

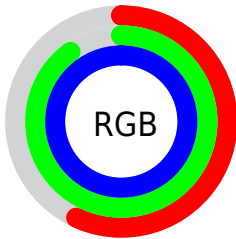
Format	Color
RYB	145, 193, 254
Decimal	9561854
CIELab	87.00, -19.70, -19.69
CIElCh	87, 27.855, 224.994
Yxy	70.0064, 0.2497, 0.3010
Android (android.graphics.Color)	4287751934 (0xFF91E6FE)
YUV	207.3210, 23.0127, -54.6555
Hunter-Lab	83.6698, -22.5381, -15.4830

Details

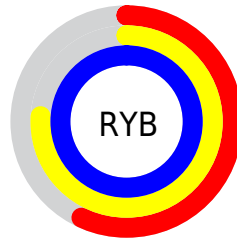
The CIELCh color **87, 27.855, 224.994** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **77, 38.083, 41.427**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.181, 198.366**, and **67, 27.791, 225.131** is the 20% darker color. If you saturate the color by 10%, you get **84, 32.691, 226.485**, and if you desaturate by 10%, it is **90, 22.272, 223.864**.

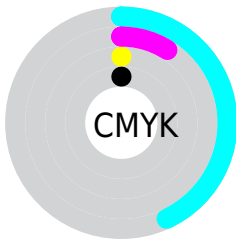
Distribution



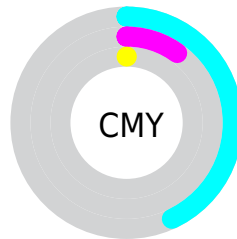
- Red (57%)
- Green (90%)
- Blue (100%)



- Red (57%)
- Yellow (76%)
- 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, 27.855, 224.994 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, 27.855, 224.994 by changing the saturation by 10% instead.

■ 87, 27.855,
224.994

■ 87, 27.855,
224.994

■ 100, 27.855,
224.994

■ 77, 27.855,
224.994

■ 67, 27.855,
224.994

■ 57, 27.855,
224.994

■ 47, 27.855,
224.994

■ 37, 27.855,
224.994

■ 27, 27.855,
224.994

■ 17, 27.855,

224.994

■ 7, 27.855, 224.994

■ 0, 27.855, 224.994

■ 87, 27.855,
224.994

■ 87, 27.855,
224.994

■ 84, 32.691,
226.485

■ 90, 22.272,
223.864

■ 82, 36.697,
228.428

■ 93, 16.048,
223.033

■ 80, 39.833,
230.914

■ 96, 9.294, 222.447

■ 78, 42.128,
234.029

■ 99, 2.117, 222.246

100, 0.324,
109.915

■ 76, 43.702,

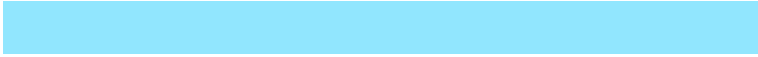
237.825

■ 75, 44.558,
240.879

Harmonies

Complementary

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



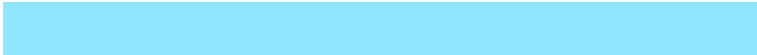
87, 27.855, 224.994



77, 38.083, 41.427

Rectangle

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



87, 27.855, 224.994



87, 27.855, 274.994



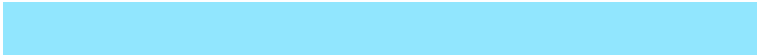
87, 27.855, 44.994



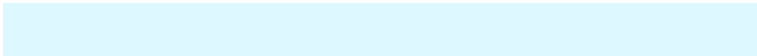
87, 27.855, 94.994

Sweetspot

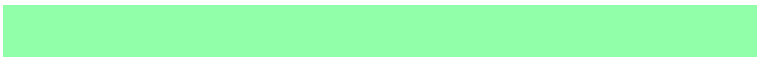
The Sweet Spot groups the original color and five complimentary colors.



87, 27.854, 224.992



96, 9.415, 222.454



92, 58.079, 147.412



51, 6.549, 222.564



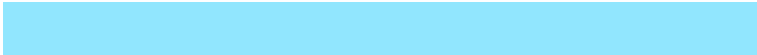
0, 0.000, 0.000



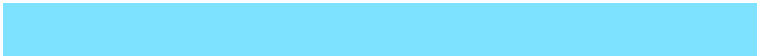
53, 0.007, 296.813

Same Dimension

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



87, 27.854, 224.992



85, 31.920, 226.177



72, 42.983, 282.182



52, 4.155, 222.307



57, 35.852, 240.062



18, 16.238, 234.301

Inverse Universe

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



74, 58.095, 334.177



70, 68.194, 334.802



90, 42.113, 89.401



50, 7.770, 331.823



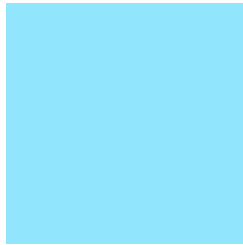
43, 78.503, 339.447



11, 36.828, 337.806

Previews

White Background



This preview shows how the CIE LCh color 87, 27.855, 224.994 looks on a white background.

Color Contrast Check

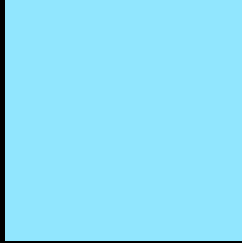
Large Text (above 18pt) WCAG AA × Fail

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, 27.855, 224.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

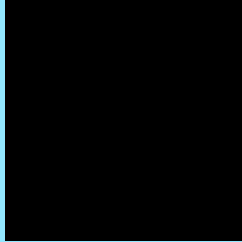
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 27.855, 224.994

Background



This preview shows how black text looks on a background with the CIELCh color 87, 27.855, 224.994.

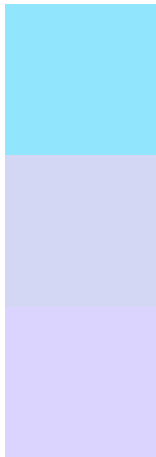


This preview shows how white text looks on a background with the CIELCh color 87, 27.855, 224.994.

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, 27.855, 224.994

Protanopia
87, 15.223, 287.614

Deuteranopia
87, 22.702, 297.095

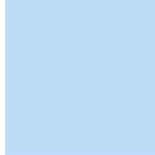


Tritanopia
87, 27.645, 219.111

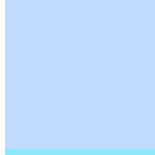
Trichromacy



Original Color
87, 27.855, 224.994



Protanomaly
87, 17.485, 253.297



Deuteranomaly
87, 20.516, 266.556

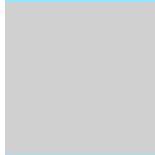


Tritanomaly
87, 27.876, 221.295

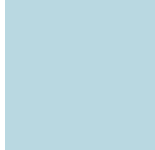
Monochromacy



Original Color
87, 27.855, 224.994



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.461, 223.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 27.855, 224.994 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(145, 230, 254)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 230, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 230, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 27.855, 224.994 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(145, 230, 254) }
```

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

```
.border{ border-color:rgb(145, 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(145, 230, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 230, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 230, 254);  
box-shadow:4px 4px 4px 4px rgb(145, 230,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 27.855, 224.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 230, 254) }
```

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

```
.background{ background-color: rgb(145,  
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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