

Converting Colors

CIELCh(88, 39.132, 250.292)

Have a look what the booklet for
CIELCh(88, 39.132, 250.292)
contains.

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Color

CIELCh(87, 30.622, 222.212)

Conversions

Conversions Part 1

Format	Color
Hex	86E8FF
RGB	134, 232, 255
RGB Percent	53%, 91%, 100%
CMY	0.4747, 0.0905, 0.0000
CMYK	0.47, 0.09, 0.00, 0.00
HSL	191°, 100%, 76%
HSV	191°, 47%, 100%
XYZ	56.8534, 70.0064, 105.9060
YIQ	205.3200, -65.7910, -13.6230

Conversions

Conversions Part 2

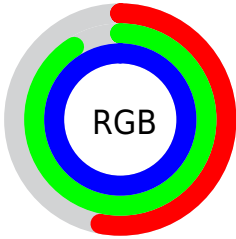
Format	Color
RYB	134, 188, 255
Decimal	8841471
CIELab	87.00, -22.68, -20.57
CIELCh	87, 30.622, 222.212
Yxy	70.0064, 0.2443, 0.3008
Android (android.graphics.Color)	4287031551 (0xFF86E8FF)
YUV	205.3200, 24.4922, -62.5476
Hunter-Lab	83.6698, -25.1321, -16.4781

Details

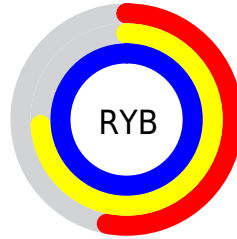
The CIELCh color **87, 30.622, 222.212** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **74, 43.824, 38.939**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **67, 30.467, 221.140** is the 20% darker color. If you saturate the color by 10%, you get **85, 34.923, 222.686**, and if you desaturate by 10%, it is **89, 25.256, 220.250**.

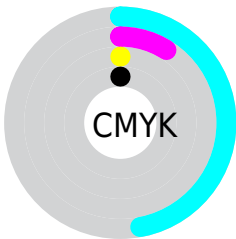
Distribution



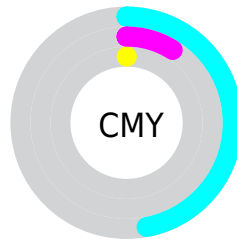
- Red (53%)
- Green (91%)
- Blue (100%)



- Red (53%)
- Yellow (74%)
- Blue (100%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (9%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 30.622, 222.212 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, 30.622, 222.212 by changing the saturation by 10% instead.


 87, 30.622,
222.212

 87, 30.622,
222.212


 100, 30.622,
222.212


 77, 30.622,
222.212

 67, 30.622,
222.212

 57, 30.622,
222.212

 47, 30.622,
222.212

 37, 30.622,
222.212

 27, 30.622,
222.212

 17, 30.622,

222.212

■ 7, 30.622, 222.212

■ 0, 30.622, 222.212

■ 87, 30.622,
222.212

■ 87, 30.622,
222.212

■ 85, 34.923,
222.686

■ 89, 25.256,
220.250

■ 83, 38.421,
224.519

■ 92, 19.270,
219.499

■ 81, 40.983,
226.874

■ 95, 12.668,
218.984

■ 79, 42.663,
229.827

■ 98, 5.568, 218.694

■ 77, 43.625,

100, 0.012,
296.813

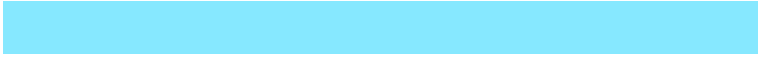
233.406

■ 77, 43.826,
234.364

Harmonies

Complementary

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



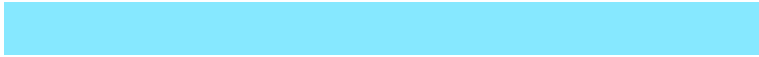
87, 30.622, 222.212



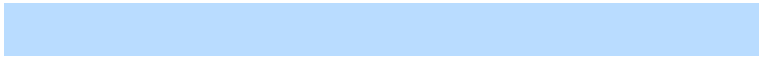
74, 43.824, 38.939

Rectangle

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



87, 30.622, 222.212



87, 30.622, 272.212



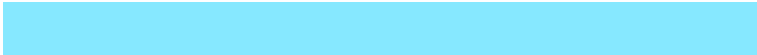
87, 30.622, 42.212



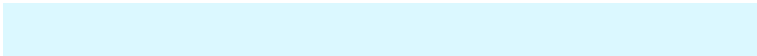
87, 30.622, 92.212

Sweetspot

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



87, 30.509, 221.289



96, 10.255, 218.855



91, 65.704, 145.762



51, 7.036, 218.932



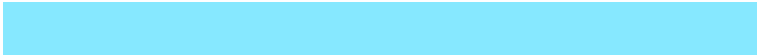
0, 0.000, 0.000



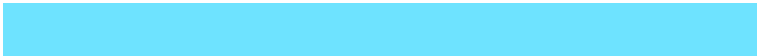
53, 0.007, 296.813

Same Dimension

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



87, 30.509, 221.289



85, 34.735, 222.611



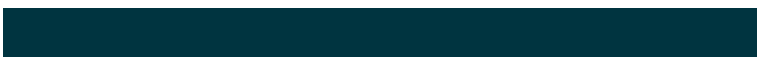
71, 45.881, 280.988



52, 4.216, 218.729



59, 35.253, 233.637



19, 16.136, 228.611

Inverse Universe

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



72, 65.253, 333.350



68, 76.413, 334.042



88, 45.629, 86.146



50, 7.935, 330.770



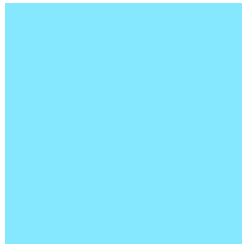
43, 80.234, 337.623



11, 37.558, 336.281

Previews

White Background



This preview shows how the CIE LCh color 87, 30.622, 222.212 looks on a white background.

Color Contrast Check

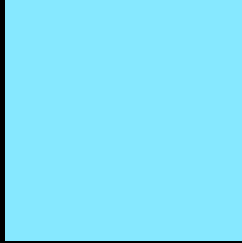
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 30.622, 222.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

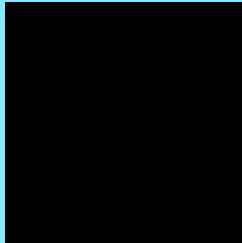
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 30.622, 222.212

Background



This preview shows how black text looks on a background with the CIELCh color 87, 30.622, 222.212.

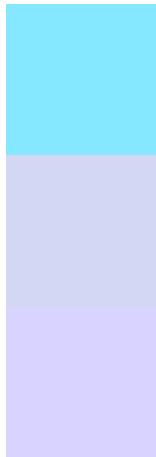


This preview shows how white text looks on a background with the CIELCh color 87, 30.622, 222.212.

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, 30.507, 221.195

Protanopia
87, 15.223, 287.614

Deuteranopia
87, 22.671, 296.254



Tritanopia
87, 30.471, 215.810

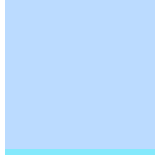
Trichromacy



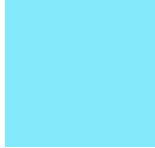
Original Color
87, 30.507, 221.195



Protanomaly
86, 18.230, 250.132



Deuteranomaly
86, 21.163, 262.708

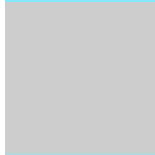


Tritanomaly
87, 30.545, 216.823

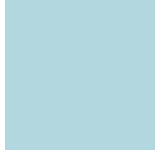
Monochromacy



Original Color
87, 30.507, 221.195



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 12.811, 217.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 30.622, 222.212 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(134, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 232, 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(134, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 232, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 30.622, 222.212 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(134, 232, 255) }
```

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

```
.border{ border-color:rgb(134, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 232,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 30.622, 222.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 232, 255) }
```

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

```
.background{ background-color: rgb(134,  
232, 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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