

Converting Colors

CIELCh(87, 31.707, 220.631)

Have a look what the booklet for
CIELCh(87, 31.707, 220.631)
contains.

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Color

CIELCh(87, 31.644, 219.177)

Conversions

Conversions Part 1

Format	Color
Hex	81E9FF
RGB	129, 233, 255
RGB Percent	51%, 91%, 100%
CMY	0.4950, 0.0871, 0.0009
CMYK	0.49, 0.09, 0.00, 0.00
HSL	190°, 100%, 75%
HSV	190°, 49%, 100%
XYZ	56.1078, 70.0064, 104.9723
YIQ	204.4120, -69.0460, -15.2060

Conversions

Conversions Part 2

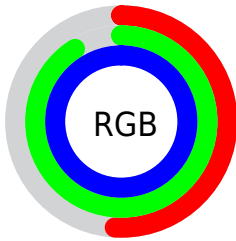
Format	Color
RYB	129, 186, 255
Decimal	8514047
CIELab	87.00, -24.53, -19.99
CIELCh	87, 31.644, 219.177
Yxy	70.0064, 0.2428, 0.3029
Android (android.graphics.Color)	4286704127 (0xFF81E9FF)
YUV	204.4120, 24.9399, -66.1363
Hunter-Lab	83.6698, -26.7227, -15.8164

Details

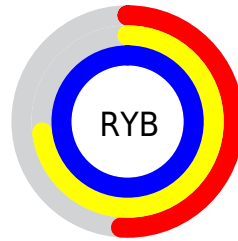
The CIELCh color **87, 31.644, 219.177** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 46.451, 37.691**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **67, 31.631, 219.002** is the 20% darker color. If you saturate the color by 10%, you get **85, 35.862, 220.482**, and if you desaturate by 10%, it is **89, 26.544, 218.212**.

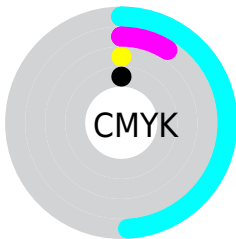
Distribution



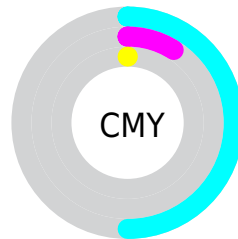
- Red (51%)
- Green (91%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 31.644, 219.177 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, 31.644, 219.177 by changing the saturation by 10% instead.

■ 87, 31.644,
219.177

■ 87, 31.644,
219.177

■ 100, 31.644,
219.177

■ 77, 31.644,
219.177

■ 67, 31.644,
219.177

■ 57, 31.644,
219.177

■ 47, 31.644,
219.177

■ 37, 31.644,
219.177

■ 27, 31.644,
219.177

■ 17, 31.644,

219.177

■ 7, 31.644, 219.177

■ 0, 31.644, 219.177

■ 87, 31.644,
219.177

■ 87, 31.644,
219.177

■ 85, 35.862,
220.482

■ 89, 26.544,
218.212

■ 83, 39.127,
222.208

■ 92, 20.669,
217.528

■ 81, 41.427,
224.430

■ 94, 14.138,
217.071

■ 80, 42.827,
227.220

■ 97, 7.073, 216.818

■ 78, 43.540,

100, 0.102,
109.416

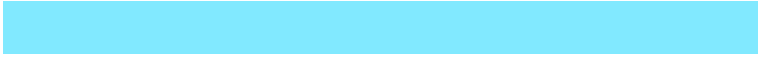
230.569

■ 78, 43.574,
230.757

Harmonies

Complementary

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



87, 31.644, 219.177



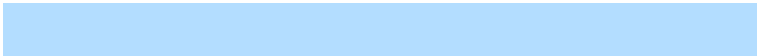
73, 46.451, 37.691

Rectangle

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



87, 31.644, 219.177



87, 31.644, 269.177



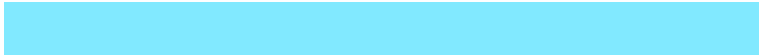
87, 31.644, 39.177



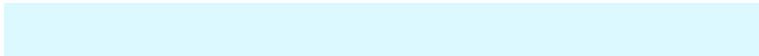
87, 31.644, 89.177

Sweetspot

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



87, 31.643, 219.175



96, 11.057, 216.931



91, 69.034, 144.991



50, 7.497, 216.992



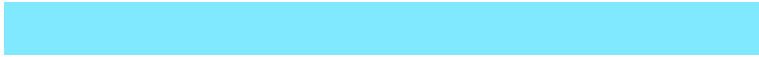
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 31.643, 219.175



85, 35.715, 220.414



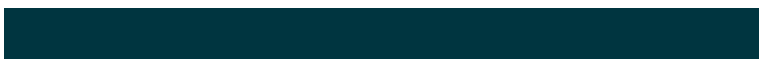
70, 46.783, 280.281



52, 4.255, 216.818



60, 35.101, 230.094



20, 16.142, 225.512

Inverse Universe

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



71, 68.384, 332.865



67, 79.405, 333.530



87, 46.986, 84.498



50, 8.026, 330.213



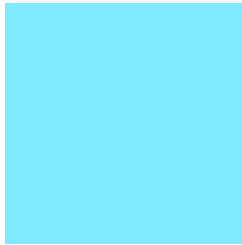
44, 81.219, 336.671



12, 37.969, 335.481

Previews

White Background



This preview shows how the CIE LCh color 87, 31.644, 219.177 looks on a white background.

Color Contrast Check

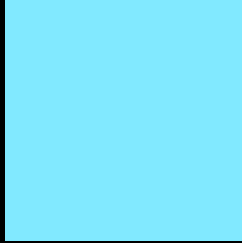
Large Text (above 18pt) WCAG AA × Fail

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, 31.644, 219.177 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, 31.644, 219.177

Background



This preview shows how black text looks on a background with the CIELCh color 87, 31.644, 219.177.



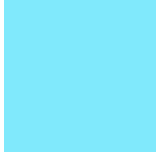
This preview shows how white text looks on a background with the CIELCh color 87, 31.644, 219.177.

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



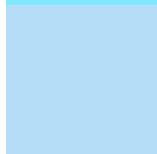


Tritanopia
87, 31.603, 216.099

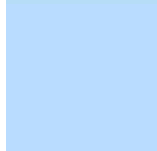
Trichromacy



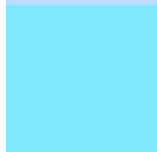
Original Color
87, 31.644, 219.177



Protanomaly
86, 18.257, 247.444



Deuteranomaly
86, 21.140, 259.688

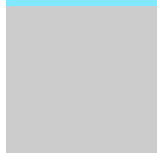


Tritanomaly
87, 31.676, 217.078

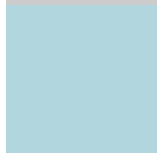
Monochromacy



Original Color
87, 31.644, 219.177



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 13.121, 217.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 31.644, 219.177 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(129, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 233, 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(129, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 31.644, 219.177 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(129, 233, 255) }
```

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

```
.border{ border-color:rgb(129, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 233, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 233, 255); box-shadow:4px 4px 4px 4px rgb(129, 233, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 31.644, 219.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 233, 255) }
```

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

```
.background{ background-color: rgb(129,  
233, 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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