

Converting Colors

CIELCh(87, 25.392, 207.125)

Have a look what the booklet for
CIELCh(87, 25.392, 207.125)
contains.

CIELCh(87, 25.270, 207.431)	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, 25.270, 207.431)

Conversions

Conversions Part 1

Format	Color
Hex	97E7EF
RGB	151, 231, 239
RGB Percent	59%, 91%, 94%
CMY	0.4076, 0.0939, 0.0625
CMYK	0.37, 0.03, 0.00, 0.06
HSL	185°, 73%, 76%
HSV	185°, 37%, 94%
XYZ	56.9554, 70.0064, 92.2197
YIQ	207.9920, -50.2480, -14.4720

Conversions

Conversions Part 2

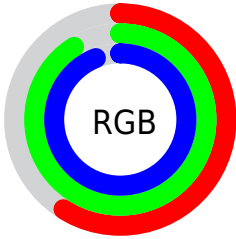
Format	Color
RYB	151, 193, 239
Decimal	9955311
CIELab	87.00, -22.43, -11.64
CIElCh	87, 25.270, 207.431
Yxy	70.0064, 0.2599, 0.3194
Android (android.graphics.Color)	4288145391 (0xFF97E7EF)
YUV	207.9920, 15.2869, -49.9820
Hunter-Lab	83.6698, -24.9144, -6.7797

Details

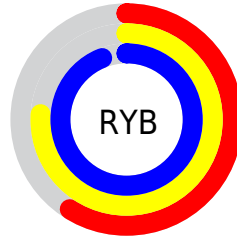
The CIELCh color **87, 25.270, 207.431** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 33.152, 29.668**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.627, 198.466**, and **67, 25.209, 207.660** is the 20% darker color. If you saturate the color by 10%, you get **85, 30.571, 207.643**, and if you desaturate by 10%, it is **89, 19.188, 207.368**.

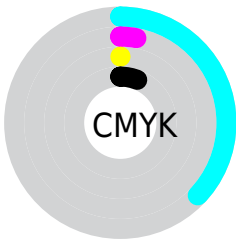
Distribution



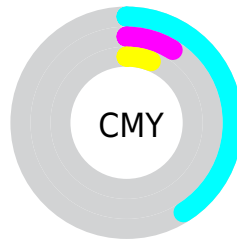
- Red (59%)
- Green (91%)
- Blue (94%)



- Red (59%)
- Yellow (76%)
- Blue (94%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (41%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 25.270, 207.431 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, 25.270, 207.431 by changing the saturation by 10% instead.

■ 87, 25.270,
207.431

■ 87, 25.270,
207.431

■ 100, 25.270,
207.431

■ 77, 25.270,
207.431

■ 67, 25.270,
207.431

■ 57, 25.270,
207.431

■ 47, 25.270,
207.431

■ 37, 25.270,
207.431


■ 27, 25.270,
207.431


■ 17, 25.270,


207.431


 7, 25.270, 207.431


 0, 25.270, 207.431


 87, 25.270,
207.431


 87, 25.270,
207.431

 85, 30.571,
207.643


 89, 19.188,
207.368

 84, 34.976,
208.042

 91, 12.452,
207.441

 83, 38.397,
208.660

 93, 5.188, 207.666

 82, 40.794,
209.532

 95, 2.485, 27.518

 81, 42.191,

 96, 4.888, 36.962

210.692

97, 4.650, 52.979

80, 42.700,
212.161

97, 4.797, 69.283

80, 42.764,
212.670

98, 5.296, 83.526

99, 6.058, 94.732

Harmonies

Complementary

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



87, 25.270, 207.431



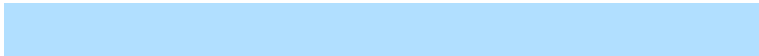
73, 33.152, 29.668

Rectangle

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



87, 25.270, 207.431



87, 25.270, 257.431



87, 25.270, 27.431



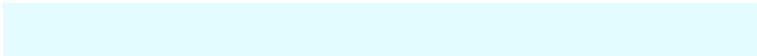
87, 25.270, 77.431

Sweetspot

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



87, 25.270, 207.428



97, 8.732, 207.545



87, 52.510, 143.946



52, 5.845, 207.515



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, 25.270, 207.428



91, 30.709, 207.569



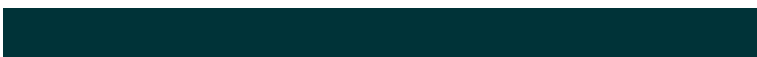
75, 29.443, 270.152



49, 4.308, 207.583



63, 35.131, 212.369



19, 15.513, 209.913

Inverse Universe

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



74, 52.203, 329.138



74, 65.114, 329.559



83, 31.014, 78.984



47, 8.089, 327.521



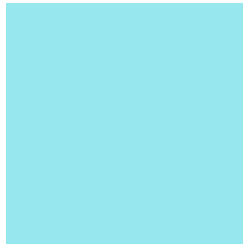
43, 84.086, 332.214



10, 37.072, 331.613

Previews

White Background



This preview shows how the CIE LCh color 87, 25.270, 207.431 looks on a white background.

Color Contrast Check

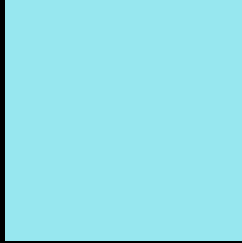
Large Text (above 18pt) WCAG AA × Fail

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, 25.270, 207.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

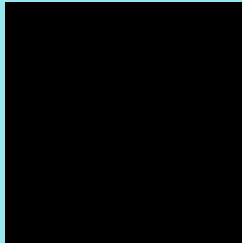
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 25.270, 207.431

Background



This preview shows how black text looks on a background with the CIELCh color 87, 25.270, 207.431.

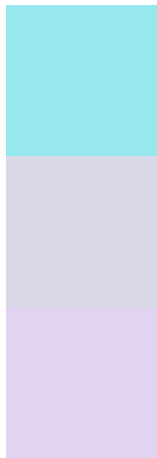


This preview shows how white text looks on a background with the CIELCh color 87, 25.270, 207.431.

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, 25.270, 207.431

Protanopia
87, 7.354, 293.532

Deuteranopia
87, 17.651, 308.588

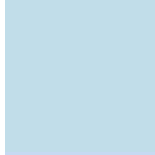


Tritanopia
87, 25.171, 220.149

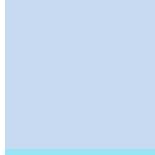
Trichromacy



Original Color
87, 25.270, 207.431



Protanomaly
86, 11.243, 233.041



Deuteranomaly
86, 13.945, 264.032

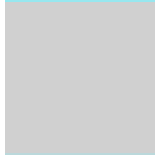


Tritanomaly
87, 25.102, 216.312

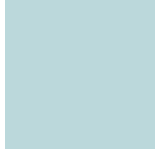
Monochromacy



Original Color
87, 25.270, 207.431



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 10.124, 207.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 25.270, 207.431 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(151, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(151, 231, 239)  
}
```

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(151, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 231, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 25.270, 207.431 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(151, 231, 239) }
```

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

```
.border{ border-color:rgb(151, 231, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 231, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(151, 231,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 25.270, 207.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 231, 239) }
```

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

```
.background{ background-color: rgb(151,  
231, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor