

Converting Colors

CIELCh(87, 24.730, 208.850)

Have a look what the booklet for
CIELCh(87, 24.730, 208.850)
contains.

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Color

CIELCh(87, 24.762, 208.914)

Conversions

Conversions Part 1

Format	Color
Hex	99E7F0
RGB	153, 231, 240
RGB Percent	60%, 91%, 94%
CMY	0.4011, 0.0952, 0.0600
CMYK	0.36, 0.04, 0.00, 0.06
HSL	186°, 74%, 77%
HSV	186°, 36%, 94%
XYZ	57.2613, 70.0064, 92.7044
YIQ	208.7040, -49.3770, -13.7370

Conversions

Conversions Part 2

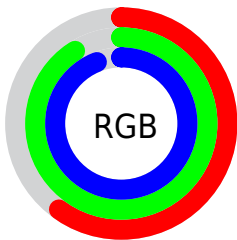
Format	Color
R _Y B	153, 194, 240
Decimal	10086384
CIE Lab	87.00, -21.68, -11.97
CIE LCh	87, 24.762, 208.914
Yxy	70.0064, 0.2603, 0.3183
Android (android.graphics.Color)	4288276464 (0xFF99E7F0)
YUV	208.7040, 15.4289, -48.8524
Hunter-Lab	83.6698, -24.2617, -7.1232

Details

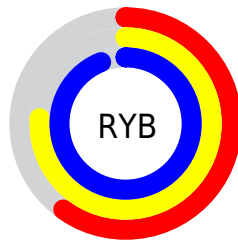
The CIELCh color **87, 24.762, 208.914** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **74, 32.362, 30.652**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.999, 198.507**, and **67, 24.741, 209.221** is the 20% darker color. If you saturate the color by 10%, you get **85, 30.064, 209.209**, and if you desaturate by 10%, it is **89, 18.693, 208.781**.

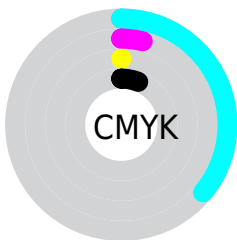
Distribution



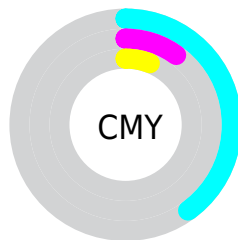
- Red (60%)
- Green (91%)
- Blue (94%)



- Red (60%)
- Yellow (76%)
- Blue (94%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.762, 208.914 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, 24.762, 208.914 by changing the saturation by 10% instead.

■ 87, 24.762,
208.914

■ 87, 24.762,
208.914

■ 100, 24.762,
208.914

■ 77, 24.762,
208.914

■ 67, 24.762,
208.914

■ 57, 24.762,
208.914

■ 47, 24.762,
208.914

■ 37, 24.762,
208.914

■ 27, 24.762,
208.914

■ 17, 24.762,

208.914

■ 7, 24.762, 208.914

■ 0, 24.762, 208.914

■ 87, 24.762,
208.914

■ 87, 24.762,
208.914

■ 85, 30.064,
209.209

■ 89, 18.693,
208.781

■ 84, 34.484,
209.710

■ 91, 11.983,
208.795

■ 82, 37.932,
210.452

■ 93, 4.758, 208.976

■ 81, 40.365,
211.479

■ 96, 2.868, 28.803

■ 97, 4.576, 41.763

■ 80, 41.804,

212.830

97, 4.482, 61.287

79, 42.355,
214.535

98, 4.898, 79.442

79, 42.433,
215.227

99, 5.711, 93.559

99, 6.778, 103.677

Harmonies

Complementary

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



87, 24.762, 208.914



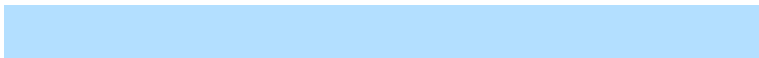
74, 32.362, 30.652

Rectangle

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



87, 24.762, 208.914



87, 24.762, 258.914



87, 24.762, 28.914



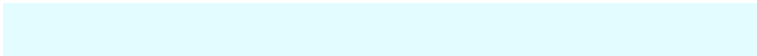
87, 24.762, 78.914

Sweetspot

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



87, 24.762, 208.911



97, 8.639, 208.860



88, 51.300, 144.479



52, 5.782, 208.838



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, 24.762, 208.911



90, 30.388, 209.129



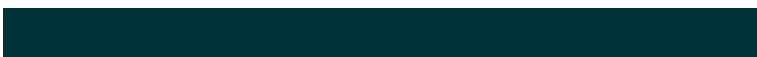
75, 29.692, 271.560



49, 4.262, 208.889



62, 34.787, 214.873



18, 15.360, 212.008

Inverse Universe

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



74, 51.167, 329.512



74, 64.567, 329.974



84, 30.957, 80.594



47, 8.019, 327.903



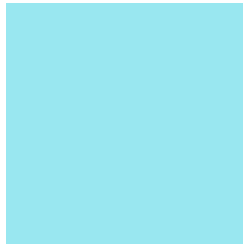
43, 83.265, 332.828



10, 36.760, 332.126

Previews

White Background



This preview shows how the CIE LCh color 87, 24.762, 208.914 looks on a white background.

Color Contrast Check

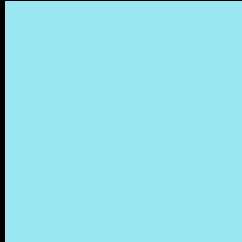
Large Text (above 18pt) WCAG AA × Fail

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, 24.762, 208.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

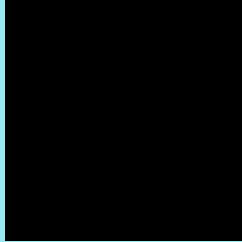
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 24.762, 208.914

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.762, 208.914.

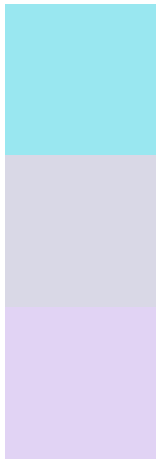


This preview shows how white text looks on a background with the CIELCh color 87, 24.762, 208.914.

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, 24.762, 208.914

Protanopia
87, 7.354, 293.532

Deuteranopia
87, 18.054, 307.055

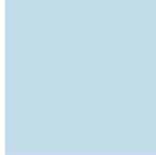


Tritanopia
87, 24.578, 222.120

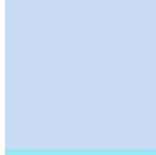
Trichromacy



Original Color
87, 24.762, 208.914



Protanomaly
87, 11.254, 236.323



Deuteranomaly
86, 13.945, 264.032

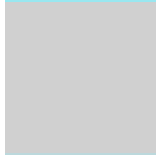


Tritanomaly
87, 24.601, 216.728

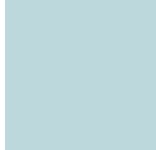
Monochromacy



Original Color
87, 24.762, 208.914



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 9.861, 211.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.762, 208.914 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(153, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(153, 231, 240)  
}
```

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(153, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 231, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.762, 208.914 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(153, 231, 240) }
```

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

```
.border{ border-color:rgb(153, 231, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 231, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(153, 231,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.762, 208.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 231, 240) }
```

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

```
.background{ background-color: rgb(153,  
231, 240) }
```

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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