

Converting Colors

CIELCh(87, 28.164, 207.329)

Have a look what the booklet for
CIELCh(87, 28.164, 207.329)
contains.

CIELCh(87, 28.059, 207.400)	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, 28.059, 207.400)

Conversions

Conversions Part 1

Format	Color
Hex	8DE8F1
RGB	141, 232, 241
RGB Percent	55%, 91%, 95%
CMY	0.4455, 0.0886, 0.0534
CMYK	0.41, 0.04, 0.00, 0.05
HSL	185°, 79%, 75%
HSV	185°, 41%, 95%
XYZ	55.9551, 70.0064, 94.0910
YIQ	205.8170, -57.1250, -16.4930

Conversions

Conversions Part 2

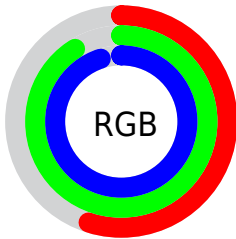
Format	Color
RYB	141, 189, 241
Decimal	9300209
CIELab	87.00, -24.91, -12.91
CIELCh	87, 28.059, 207.400
Yxy	70.0064, 0.2543, 0.3181
Android (android.graphics.Color)	4287490289 (0xFF8DE8F1)
YUV	205.8170, 17.3452, -56.8445
Hunter-Lab	83.6698, -27.0485, -8.1057

Details

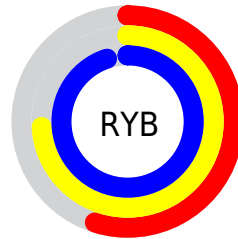
The CIELCh color **87, 28.059, 207.400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 38.318, 30.076**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.406, 198.288**, and **67, 28.069, 207.572** is the 20% darker color. If you saturate the color by 10%, you get **85, 33.000, 207.687**, and if you desaturate by 10%, it is **89, 22.273, 207.275**.

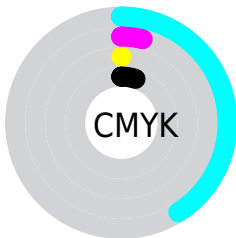
Distribution



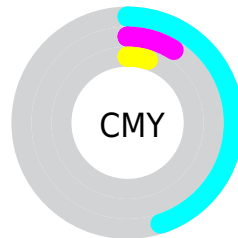
- Red (55%)
- Green (91%)
- Blue (95%)



- Red (55%)
- Yellow (74%)
- Blue (95%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (45%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.059, 207.400 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, 28.059, 207.400 by changing the saturation by 10% instead.

■ 87, 28.059,
207.400

■ 87, 28.059,
207.400

■ 100, 28.059,
207.400

■ 77, 28.059,
207.400

■ 67, 28.059,
207.400

■ 57, 28.059,
207.400

■ 47, 28.059,
207.400

■ 37, 28.059,
207.400

■ 27, 28.059,
207.400

■ 17, 28.059,

207.400

■ 7, 28.059, 207.400

■ 0, 28.059, 207.400

■ 87, 28.059,
207.400

■ 87, 28.059,
207.400

■ 85, 33.000,
207.687

■ 89, 22.273,
207.275

■ 84, 36.990,
208.174

■ 91, 15.768,
207.294

■ 83, 39.962,
208.896

■ 93, 8.672, 207.442

■ 82, 41.903,
209.885

■ 95, 1.109, 208.148

■ 97, 4.283, 32.329

■ 81, 42.873,

211.173

97, 3.965, 50.635

80, 43.111,
212.498

98, 4.092, 69.800

98, 4.627, 86.104

99, 5.449, 98.241

Harmonies

Complementary

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



87, 28.059, 207.400



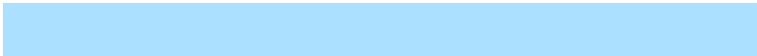
71, 38.318, 30.076

Rectangle

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



87, 28.059, 207.400



87, 28.059, 257.400



87, 28.059, 27.400



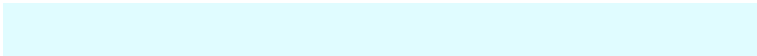
87, 28.059, 77.400

Sweetspot

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



87, 28.059, 207.397



97, 9.507, 207.429



88, 59.316, 143.464



52, 6.282, 207.402



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

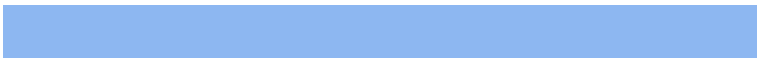
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 28.059, 207.397



90, 33.794, 207.639



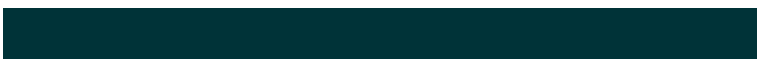
74, 33.414, 271.242



49, 4.311, 207.490



63, 35.158, 212.191



19, 15.525, 209.764

Inverse Universe

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



72, 58.919, 329.376



72, 73.143, 329.865



83, 35.428, 78.337



47, 8.094, 327.494



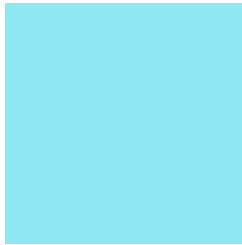
43, 84.145, 332.171



10, 37.094, 331.576

Previews

White Background



This preview shows how the CIE LCh color 87, 28.059, 207.400 looks on a white background.

Color Contrast Check

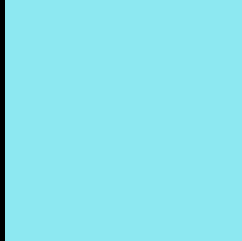
Large Text (above 18pt) WCAG AA × Fail

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, 28.059, 207.400 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, 28.059, 207.400

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.059, 207.400.



This preview shows how white text looks on a background with the CIELCh color 87, 28.059, 207.400.

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



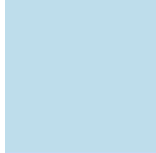


Tritanopia
87, 27.645, 219.111

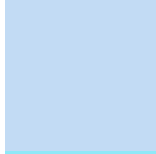
Trichromacy



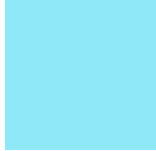
Original Color
87, 28.059, 207.400



Protanomaly
86, 12.573, 234.718



Deuteranomaly
86, 15.295, 258.411

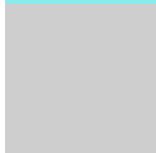


Tritanomaly
87, 27.774, 214.318

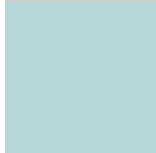
Monochromacy



Original Color
87, 28.059, 207.400



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.432, 206.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.059, 207.400 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(141, 232, 241)` looks like.

```
.text, #text, p{  
    color:rgb(141, 232, 241)  
}
```

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(141, 232, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 232, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.059, 207.400 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(141, 232, 241) }
```

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

```
.border{ border-color:rgb(141, 232, 241) }
```

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

Here you see how a box with a 4 pixel rgb(141, 232, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 232, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 232, 241);  
box-shadow:4px 4px 4px 4px rgb(141, 232,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.059, 207.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 232, 241) }
```

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

```
.background{ background-color: rgb(141,  
232, 241) }
```

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