

Converting Colors

CIELCh(87, 42.897, 207.304)

Have a look what the booklet for
CIELCh(87, 42.897, 207.304)
contains.

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Color

CIELCh(87, 42.896, 207.490)

Conversions

Conversions Part 1

Format	Color
Hex	3FEFFE
RGB	63, 239, 254
RGB Percent	25%, 94%, 100%
CMY	0.7523, 0.0624, 0.0036
CMYK	0.75, 0.06, 0.00, 0.00
HSL	185°, 99%, 62%
HSV	185°, 75%, 100%
XYZ	50.8542, 70.0064, 104.6704
YIQ	188.0860, -109.7110, -32.6470

Conversions

Conversions Part 2

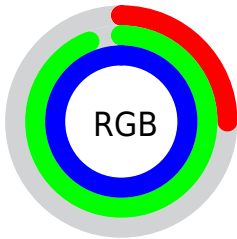
Format	Color
RYB	63, 155, 254
Decimal	4190206
CIELab	87.00, -38.05, -19.80
CIElCh	87, 42.896, 207.490
Yxy	70.0064, 0.2255, 0.3104
Android (android.graphics.Color)	4282380286 (0xFF3FEFFE)
YUV	188.0860, 32.4956, -109.7004
Hunter-Lab	83.6698, -37.9306, -15.6025

Details

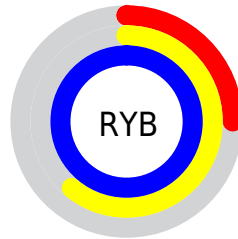
The CIELCh color **87, 42.896, 207.490** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 80.573, 35.581**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.470, 197.301**, and **68, 37.515, 209.578** is the 20% darker color. If you saturate the color by 10%, you get **86, 44.529, 208.417**, and if you desaturate by 10%, it is **88, 40.190, 206.810**.

Distribution



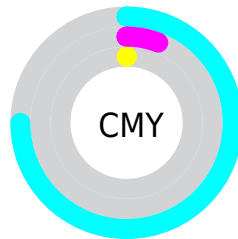
- Red (25%)
- Green (94%)
- Blue (100%)



- Red (25%)
- Yellow (61%)
- Blue (100%)



- Cyan (75%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 42.896, 207.490 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, 42.896, 207.490 by changing the saturation by 10% instead.

■ 87, 42.896,
207.490

■ 87, 42.896,
207.490

■ 100, 42.896,
207.490

■ 77, 42.896,
207.490

■ 67, 42.896,
207.490

■ 57, 42.896,
207.490

■ 47, 42.896,
207.490

■ 37, 42.896,
207.490

■ 27, 42.896,
207.490

■ 17, 42.896,

207.490

■ 7, 42.896, 207.490

■ 0, 42.896, 207.490

■ 87, 42.896,
207.490

■ 87, 42.896,
207.490

■ 86, 44.529,
208.417

■ 88, 40.190,
206.810

■ 85, 45.190,
209.614

■ 89, 36.398,
206.353

■ 85, 45.277,
210.272

■ 91, 31.570,
206.087

■ 92, 25.805,
205.984

■ 94, 19.227,

206.019

■ 96, 11.973,
206.175

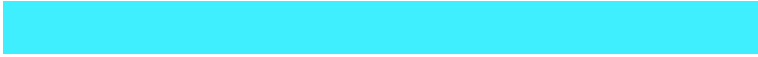
■ 98, 4.178, 206.502

100, 0.451,
109.973

Harmonies

Complementary

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



87, 42.896, 207.490



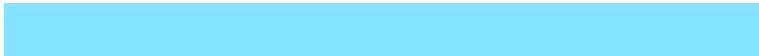
59, 80.573, 35.581

Rectangle

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



87, 42.896, 207.490



87, 42.896, 257.490



87, 42.896, 27.490



87, 42.896, 77.490

Sweetspot

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



87, 42.895, 207.489



95, 17.776, 206.043



88, 103.891, 138.837



50, 12.142, 206.006



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, 42.895, 207.489



86, 45.085, 208.966



61, 62.004, 280.490



52, 4.581, 206.323



66, 36.614, 210.011



22, 17.005, 208.213

Inverse Universe

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



62, 99.489, 330.710



60, 107.028, 331.319



77, 68.323, 71.623



50, 8.584, 327.155



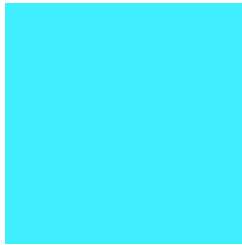
45, 87.507, 331.637



12, 40.558, 331.196

Previews

White Background



This preview shows how the CIE LCh color 87, 42.896, 207.490 looks on a white background.

Color Contrast Check

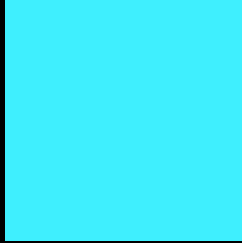
Large Text (above 18pt) WCAG AA × Fail

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, 42.896, 207.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

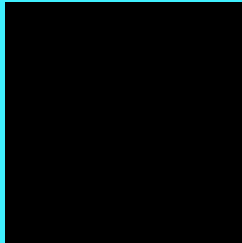
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 42.896, 207.490

Background



This preview shows how black text looks on a background with the CIELCh color 87, 42.896, 207.490.

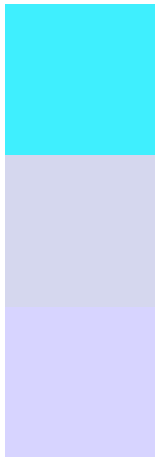


This preview shows how white text looks on a background with the CIELCh color 87, 42.896, 207.490.

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](#).

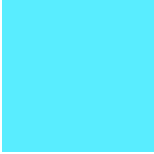
Dichromacy



Original Color
87, 42.896, 207.490

Protanopia
86, 12.072, 287.925

Deuteranopia
86, 22.624, 294.572

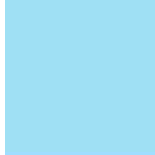


Tritanopia
87, 39.290, 211.106

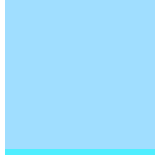
Trichromacy



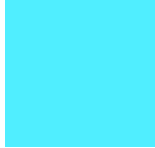
Original Color
87, 42.896, 207.490



Protanomaly
86, 22.575, 226.152



Deuteranomaly
85, 25.152, 242.390

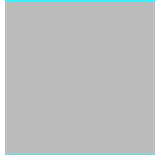


Tritanomaly
87, 40.711, 209.745

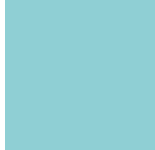
Monochromacy



Original Color
87, 42.896, 207.490



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 21.014, 205.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 42.896, 207.490 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(63, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(63, 239, 254)  
}
```

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(63, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 239, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 42.896, 207.490 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(63, 239, 254) }
```

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

```
.border{ border-color:rgb(63, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(63, 239,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 42.896, 207.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 239, 254) }
```

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

```
.background{ background-color: rgb(63, 239,  
254) }
```

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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