

Converting Colors

CIELCh(87, 41.915, 209.669)

Have a look what the booklet for
CIELCh(87, 41.915, 209.669)
contains.

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Color

CIELCh(87, 41.807, 209.343)

Conversions

Conversions Part 1

Format	Color
Hex	48EEFF
RGB	72, 238, 255
RGB Percent	28%, 93%, 100%
CMY	0.7190, 0.0650, 0.0000
CMYK	0.72, 0.06, 0.00, 0.00
HSL	185°, 100%, 64%
HSV	185°, 72%, 100%
XYZ	51.4615, 70.0064, 105.7662
YIQ	190.3040, -104.3930, -29.9050

Conversions

Conversions Part 2

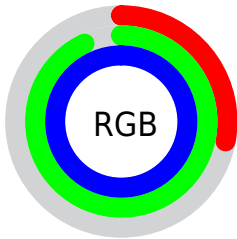
Format	Color
RYB	72, 159, 255
Decimal	4779775
CIELab	87.00, -36.44, -20.49
CIELCh	87, 41.807, 209.343
Yxy	70.0064, 0.2265, 0.3081
Android (android.graphics.Color)	4282969855 (0xFF48EEFF)
YUV	190.3040, 31.8951, -103.7526
Hunter-Lab	83.6698, -36.6350, -16.3791

Details

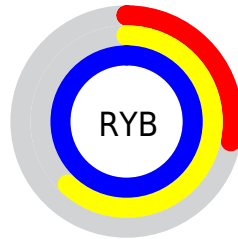
The CIELCh color **87, 41.807, 209.343** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **61, 76.430, 35.355**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **68, 37.487, 210.483** is the 20% darker color. If you saturate the color by 10%, you get **86, 43.769, 210.036**, and if you desaturate by 10%, it is **88, 38.782, 208.272**.

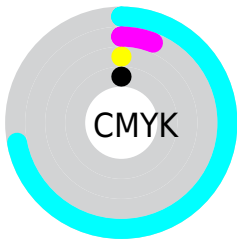
Distribution



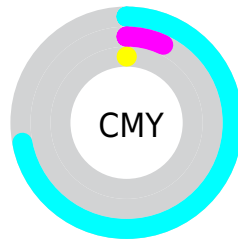
- Red (28%)
- Green (93%)
- Blue (100%)



- Red (28%)
- Yellow (62%)
- Blue (100%)



- Cyan (72%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 41.807, 209.343 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, 41.807, 209.343 by changing the saturation by 10% instead.


 87, 41.807,
209.343


 87, 41.807,
209.343


 100, 41.807,
209.343


 77, 41.807,
209.343

 67, 41.807,
209.343

 57, 41.807,
209.343

 47, 41.807,
209.343

 37, 41.807,
209.343

 27, 41.807,
209.343

 17, 41.807,

209.343

■ 7, 41.807, 209.343

■ 0, 41.807, 209.343

■ 87, 41.807,
209.343

■ 87, 41.807,
209.343

■ 86, 43.769,
210.036

■ 88, 38.782,
208.272

■ 85, 44.713,
211.358

■ 90, 34.678,
207.764

■ 84, 44.912,
212.634


■ 91, 29.573,
207.460

■ 93, 23.575,
207.325

■ 95, 16.815,

207.334

 97, 9.428, 207.474

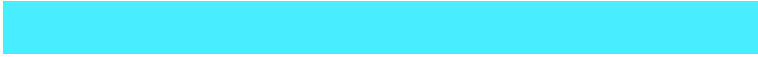
 100, 1.545,
208.031

100, 0.012,
296.813

Harmonies

Complementary

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



87, 41.807, 209.343



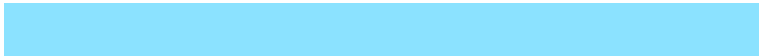
61, 76.430, 35.355

Rectangle

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



87, 41.807, 209.343



87, 41.807, 259.343



87, 41.807, 29.343



87, 41.807, 79.343

Sweetspot

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



87, 41.815, 209.017



95, 16.884, 207.333



89, 100.124, 139.642



50, 11.236, 207.318



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, 41.815, 209.017



86, 44.271, 210.540



61, 61.075, 280.725



52, 4.533, 207.531



65, 36.222, 212.323



22, 16.829, 210.200

Inverse Universe

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



63, 96.521, 331.012



60, 104.831, 331.662



78, 65.893, 73.700



50, 8.513, 327.510



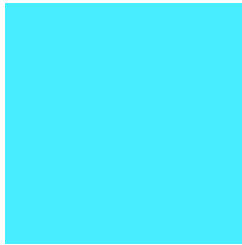
44, 86.695, 332.203



12, 40.226, 331.683

Previews

White Background



This preview shows how the CIE LCh color 87, 41.807, 209.343 looks on a white background.

Color Contrast Check

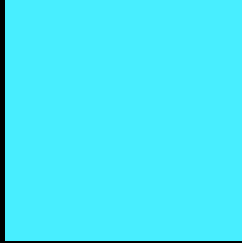
Large Text (above 18pt) WCAG AA × Fail

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, 41.807, 209.343 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, 41.807, 209.343

Background



This preview shows how black text looks on a background with the CIELCh color 87, 41.807, 209.343.

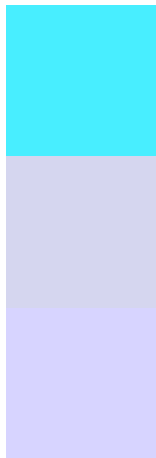


This preview shows how white text looks on a background with the CIELCh color 87, 41.807, 209.343.

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

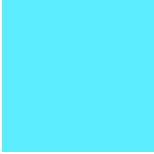
87, 41.692, 209.384

Protanopia

86, 13.122, 289.781

Deuteranopia

86, 22.624, 294.572

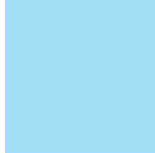


Tritanopia
87, 38.998, 211.230

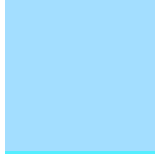
Trichromacy



Original Color
87, 41.692, 209.384



Protanomaly
86, 22.016, 230.212



Deuteranomaly
86, 24.571, 243.733

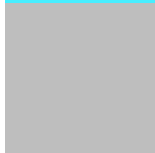


Tritanomaly
87, 40.179, 209.946

Monochromacy



Original Color
87, 41.692, 209.384



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 20.160, 207.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 41.807, 209.343 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(72, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 238, 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(72, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 238, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 41.807, 209.343 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(72, 238, 255) }
```

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

```
.border{ border-color:rgb(72, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 238,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 41.807, 209.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 238, 255) }
```

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

```
.background{ background-color: rgb(72, 238,  
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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