

Converting Colors

CIELCh(88, 43.594, 230.522)

Have a look what the booklet for
CIELCh(88, 43.594, 230.522)
contains.

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Color

CIELCh(87, 41.337, 209.513)

Conversions

Conversions Part 1

Format	Color
Hex	4BEEFF
RGB	75, 238, 255
RGB Percent	29%, 93%, 100%
CMY	0.7047, 0.0659, 0.0000
CMYK	0.70, 0.07, 0.00, 0.00
HSL	186°, 100%, 65%
HSV	186°, 70%, 100%
XYZ	51.6397, 70.0064, 105.5685
YIQ	191.2010, -102.6050, -29.2690

Conversions

Conversions Part 2

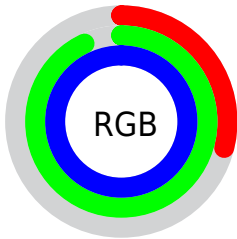
Format	Color
RYB	75, 161, 255
Decimal	4976383
CIELab	87.00, -35.97, -20.36
CIELCh	87, 41.337, 209.513
Yxy	70.0064, 0.2273, 0.3081
Android (android.graphics.Color)	4283166463 (0xFF4BEEFF)
YUV	191.2010, 31.4529, -101.9083
Hunter-Lab	83.6698, -36.2547, -16.2390

Details

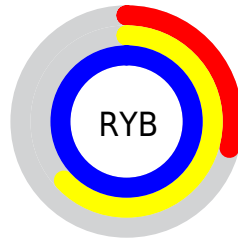
The CIELCh color **87, 41.337, 209.513** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **61, 74.564, 35.186**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **68, 37.487, 210.483** is the 20% darker color. If you saturate the color by 10%, you get **86, 43.440, 210.378**, and if you desaturate by 10%, it is **88, 38.159, 208.610**.

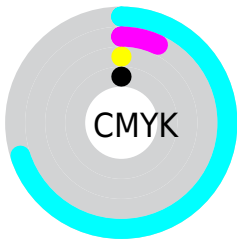
Distribution



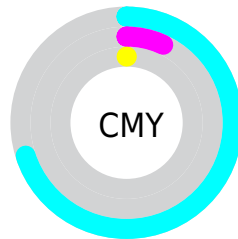
- Red (29%)
- Green (93%)
- Blue (100%)



- Red (29%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 41.337, 209.513 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, 41.337, 209.513 by changing the saturation by 10% instead.


 87, 41.337,
209.513


 87, 41.337,
209.513


 100, 41.337,
209.513


 77, 41.337,
209.513

 67, 41.337,
209.513

 57, 41.337,
209.513

 47, 41.337,
209.513

 37, 41.337,
209.513

 27, 41.337,
209.513

 17, 41.337,

209.513

■ 7, 41.337, 209.513

■ 0, 41.337, 209.513

■ 87, 41.337,
209.513

■ 87, 41.337,
209.513

■ 86, 43.440,
210.378

■ 88, 38.159,
208.610

■ 85, 44.519,
211.710

■ 90, 33.917,
208.104

■ 84, 44.797,
213.256

■ 91, 28.690,
207.802

■ 93, 22.590,
207.669

■ 95, 15.750,

207.679

 98, 8.304, 207.825

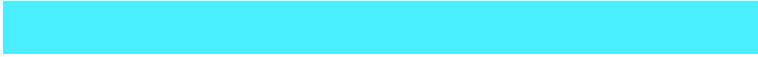
100, 0.382,
209.687

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, 41.337, 209.513



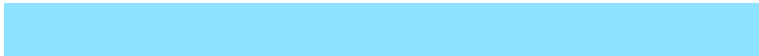
61, 74.564, 35.186

Rectangle

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



87, 41.337, 209.513



87, 41.337, 259.513



87, 41.337, 29.513



87, 41.337, 79.513

Sweetspot

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



87, 41.340, 209.356



95, 16.129, 207.676



89, 98.673, 139.834



50, 10.812, 207.661



0, 0.000, 0.000



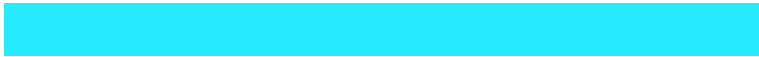
53, 0.007, 296.813

Same Dimension

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



87, 41.340, 209.356



85, 44.049, 210.941



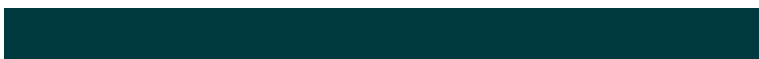
62, 59.821, 280.193



52, 4.521, 207.848



65, 36.129, 212.932



21, 16.786, 210.723

Inverse Universe

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



64, 95.148, 331.059



60, 104.211, 331.748



79, 64.617, 73.944



50, 8.495, 327.603



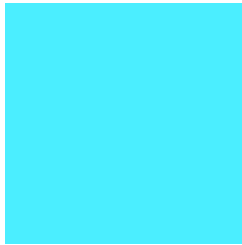
44, 86.486, 332.352



12, 40.141, 331.811

Previews

White Background



This preview shows how the CIE LCh color 87, 41.337, 209.513 looks on a white background.

Color Contrast Check

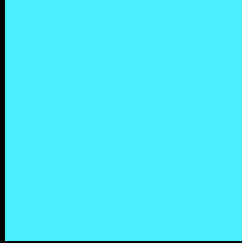
Large Text (above 18pt) WCAG AA × Fail

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, 41.337, 209.513 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

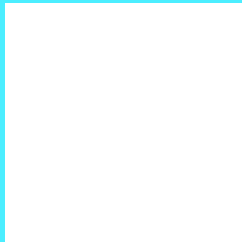
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 41.337, 209.513

Background



This preview shows how black text looks on a background with the CIELCh color 87, 41.337, 209.513.



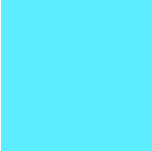
This preview shows how white text looks on a background with the CIELCh color 87, 41.337, 209.513.

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



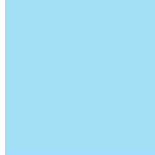


Tritanopia
87, 38.849, 211.294

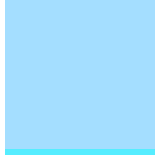
Trichromacy



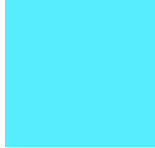
Original Color
87, 41.337, 209.513



Protanomaly
86, 21.779, 230.613



Deuteranomaly
86, 24.378, 244.199

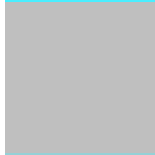


Tritanomaly
87, 39.717, 210.929

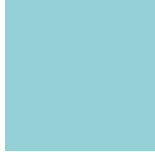
Monochromacy



Original Color
87, 41.337, 209.513



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 19.585, 207.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 41.337, 209.513 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(75, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 238, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 41.337, 209.513 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(75, 238, 255) }
```

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

```
.border{ border-color:rgb(75, 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(75, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 238,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 41.337, 209.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 238, 255) }
```

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

```
.background{ background-color: rgb(75, 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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