

Converting Colors

CIELCh(86, 43.012, 209.703)

Have a look what the booklet for
CIELCh(86, 43.012, 209.703)
contains.

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Color

CIELCh(86, 42.974, 209.679)

Conversions

Conversions Part 1

Format	Color
Hex	38ECFE
RGB	56, 236, 254
RGB Percent	22%, 93%, 100%
CMY	0.7803, 0.0745, 0.0039
CMYK	0.78, 0.07, 0.00, 0.00
HSL	185°, 99%, 61%
HSV	185°, 78%, 100%
XYZ	49.5153, 67.9871, 104.2788
YIQ	184.2320, -113.0580, -32.5620

Conversions

Conversions Part 2

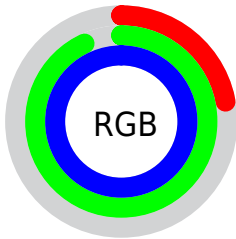
Format	Color
R _{YB}	56, 150, 254
Decimal	3730686
CIE Lab	86.00, -37.34, -21.28
CIE LCh	86, 42.974, 209.679
Yxy	67.9871, 0.2233, 0.3066
Android (android.graphics.Color)	4281920766 (0xFF38ECFE)
YUV	184.2320, 34.3956, -112.4595
Hunter-Lab	82.4543, -37.1025, -17.2652

Details

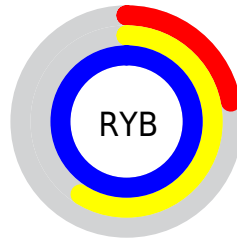
The CIELCh color **86, 42.974, 209.679** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 83.351, 36.812**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **67, 37.159, 211.549** is the 20% darker color. If you saturate the color by 10%, you get **85, 44.299, 210.885**, and if you desaturate by 10%, it is **87, 40.603, 208.765**.

Distribution



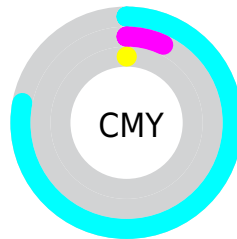
- Red (22%)
- Green (93%)
- Blue (100%)



- Red (22%)
- Yellow (59%)
- Blue (100%)



- Cyan (78%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 42.974, 209.679 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 86, 42.974, 209.679 by changing the saturation by 10% instead.

■ 86, 42.974,
209.679

■ 86, 42.974,
209.679

■ 100, 42.974,
209.679

■ 76, 42.974,
209.679

■ 66, 42.974,
209.679

■ 56, 42.974,
209.679

■ 46, 42.974,
209.679

■ 36, 42.974,
209.679

■ 26, 42.974,
209.679

■ 16, 42.974,

209.679

■ 6, 42.974, 209.679

■ 0, 42.974, 209.679

■ 86, 42.974,
209.679

■ 86, 42.974,
209.679

■ 85, 44.299,
210.885

■ 87, 40.603,
208.765

■ 84, 44.725,
212.401

■ 88, 37.153,
208.113

■ 84, 44.760,
212.733

■ 90, 32.658,
207.685

■ 92, 27.204,
207.448

■ 93, 20.911,

207.370

■ 96, 13.912,
207.427

■ 98, 6.341, 207.628

100, 0.292, 70.938

100, 0.495,
109.985

Harmonies

Complementary

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



86, 42.974, 209.679



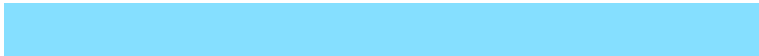
58, 83.351, 36.812

Rectangle

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



86, 42.974, 209.679



86, 42.974, 259.679



86, 42.974, 29.679



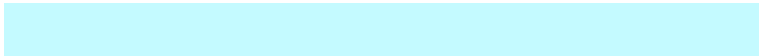
86, 42.974, 79.679

Sweetspot

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



86, 42.973, 209.678



95, 17.582, 207.382



88, 105.420, 138.845



50, 12.010, 207.370



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 42.973, 209.678



85, 44.778, 211.771



58, 66.202, 283.048



52, 4.531, 207.583



65, 36.207, 212.423



22, 16.821, 210.286

Inverse Universe

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



62, 100.476, 331.317



59, 106.852, 332.039



76, 70.797, 72.614



50, 8.510, 327.525



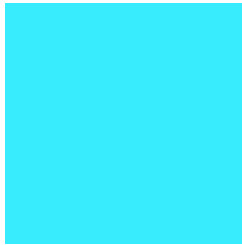
44, 86.661, 332.227



12, 40.212, 331.704

Previews

White Background



This preview shows how the CIE LCh color 86, 42.974, 209.679 looks on a white background.

Color Contrast Check

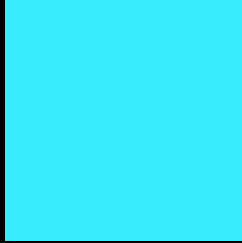
Large Text (above 18pt) WCAG AA × Fail

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 86, 42.974, 209.679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

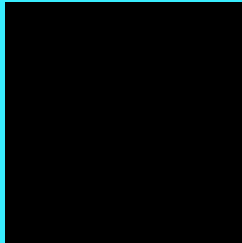
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 42.974, 209.679

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.974, 209.679.

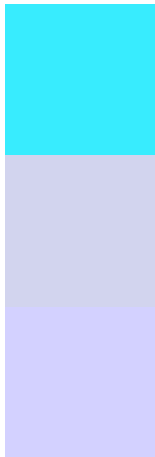


This preview shows how white text looks on a background with the CIELCh color 86, 42.974, 209.679.

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

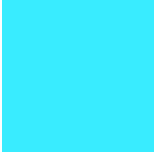
86, 42.974, 209.679

Protanopia

85, 13.677, 288.464

Deuteranopia

85, 24.242, 293.761

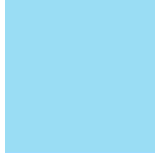


Tritanopia
86, 42.866, 210.460

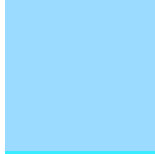
Trichromacy



Original Color
86, 42.974, 209.679



Protanomaly
85, 23.643, 229.265



Deuteranomaly
84, 26.502, 244.542

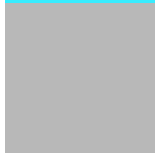


Tritanomaly
86, 42.866, 210.460

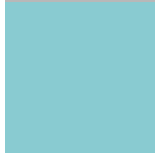
Monochromacy



Original Color
86, 42.974, 209.679



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 21.598, 206.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.974, 209.679 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(56, 236, 254)` looks like.

```
.text, #text, p{  
    color:rgb(56, 236, 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(56, 236, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 236, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.974, 209.679 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(56, 236, 254) }
```

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

```
.border{ border-color:rgb(56, 236, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 236, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 236, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 236, 254);  
box-shadow:4px 4px 4px 4px rgb(56, 236,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.974, 209.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 236, 254) }
```

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

```
.background{ background-color: rgb(56, 236,  
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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