

Converting Colors

CIELCh(88, 48.485, 246.392)

Have a look what the booklet for
CIELCh(88, 48.485, 246.392)
contains.

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Color

CIELCh(86, 40.430, 212.231)

Conversions

Conversions Part 1

Format	Color
Hex	4DEBFF
RGB	77, 235, 255
RGB Percent	30%, 92%, 100%
CMY	0.6962, 0.0799, 0.0015
CMYK	0.70, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 70%, 100%
XYZ	50.6824, 67.9871, 104.7309
YIQ	190.0380, -100.5880, -27.2760

Conversions

Conversions Part 2

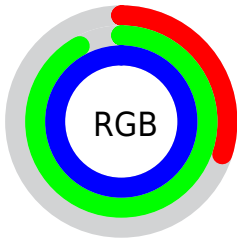
Format	Color
RYB	77, 161, 255
Decimal	5106687
CIELab	86.00, -34.20, -21.56
CIElCh	86, 40.430, 212.231
Yxy	67.9871, 0.2269, 0.3043
Android (android.graphics.Color)	4283296767 (0xFF4DEBFF)
YUV	190.0380, 32.0263, -99.1343
Hunter-Lab	82.4543, -34.5759, -17.5903

Details

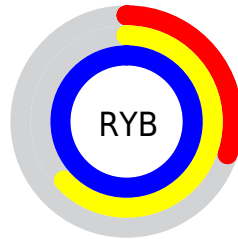
The CIELCh color **86, 40.430, 212.231** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **62, 72.572, 36.043**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **67, 36.995, 213.474** is the 20% darker color. If you saturate the color by 10%, you get **85, 42.602, 213.510**, and if you desaturate by 10%, it is **87, 37.195, 211.276**.

Distribution



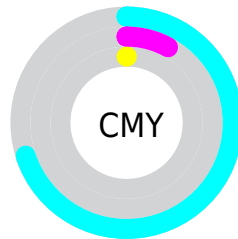
- Red (30%)
- Green (92%)
- Blue (100%)



- Red (30%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 40.430, 212.231 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, 40.430, 212.231 by changing the saturation by 10% instead.


 86, 40.430,
212.231


 86, 40.430,
212.231


 100, 40.430,
212.231


 76, 40.430,
212.231

 66, 40.430,
212.231

 56, 40.430,
212.231

 46, 40.430,
212.231

 36, 40.430,
212.231

 26, 40.430,
212.231

 16, 40.430,

212.231

■ 6, 40.430, 212.231

■ 0, 40.430, 212.231

■ 86, 40.430,
212.231

■ 86, 40.430,
212.231

■ 85, 42.602,
213.510

■ 87, 37.195,
211.276

■ 84, 43.767,
215.162

■ 89, 32.925,
210.602

■ 83, 44.120,
217.183

■ 91, 27.698,
210.161

■ 83, 44.129,
217.273

■ 93, 21.628,
209.913

■ 95, 14.845,

209.826

■ 97, 7.481, 209.892

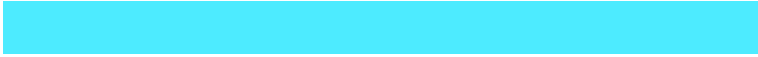
100, 0.106, 47.744

100, 0.185,
109.747

Harmonies

Complementary

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



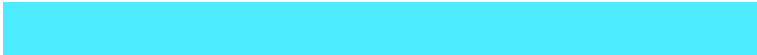
86, 40.430, 212.231



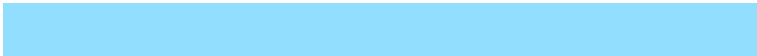
62, 72.572, 36.043

Rectangle

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



86, 40.430, 212.231



86, 40.430, 262.231



86, 40.430, 32.231



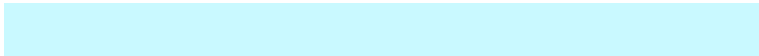
86, 40.430, 82.231

Sweetspot

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



86, 40.429, 212.230



95, 15.869, 209.830



89, 96.646, 140.372



50, 10.638, 209.845



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, 40.429, 212.230



84, 43.160, 214.033



62, 60.547, 281.288



52, 4.448, 209.893



64, 35.626, 216.869



21, 16.544, 214.101

Inverse Universe

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



64, 93.040, 331.756



61, 101.929, 332.484



80, 64.031, 75.600



50, 8.381, 328.200



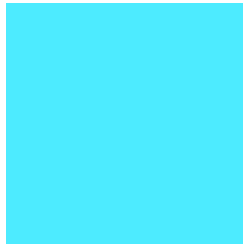
44, 85.181, 333.318



12, 39.606, 332.638

Previews

White Background



This preview shows how the CIE LCh color 86, 40.430, 212.231 looks on a white background.

Color Contrast Check

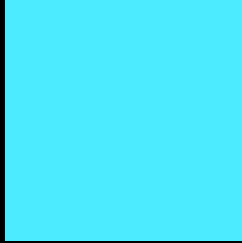
Large Text (above 18pt) WCAG AA × Fail

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, 40.430, 212.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

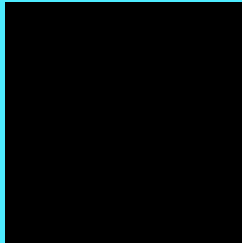
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 40.430, 212.231

Background



This preview shows how black text looks on a background with the CIELCh color 86, 40.430, 212.231.

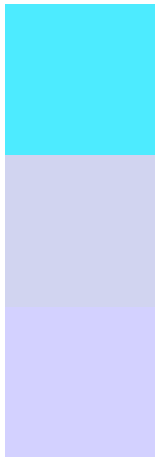


This preview shows how white text looks on a background with the CIELCh color 86, 40.430, 212.231.

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

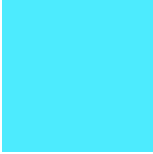
86, 40.554, 212.176

Protanopia

85, 14.739, 287.446

Deuteranopia

85, 24.242, 293.761

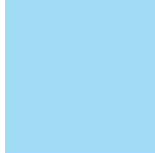


Tritanopia
86, 40.550, 211.388

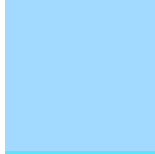
Trichromacy



Original Color
86, 40.554, 212.176



Protanomaly
85, 22.281, 234.863



Deuteranomaly
85, 25.415, 249.100

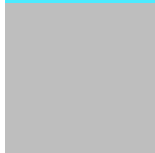


Tritanomaly
86, 40.550, 211.388

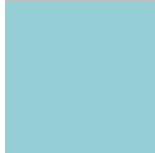
Monochromacy



Original Color
86, 40.554, 212.176



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 19.052, 209.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 40.430, 212.231 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(77, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 235, 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(77, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 40.430, 212.231 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(77, 235, 255) }
```

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

```
.border{ border-color:rgb(77, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 235,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 40.430, 212.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 235, 255) }
```

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

```
.background{ background-color: rgb(77, 235,  
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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